

BILL / CASH MEMO

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BOOK PORT

Sell & Buy (Old & New Books)

Deals In : Medical, BDS, Pharmacy, Nursing, Ayurvedic, Homoeopathic Books

SHOP NO. 22, OLD MARKET, SECTOR 15-A, CHANDIGARH

Bill No.

2453

Dated 12/02/22

Name

Bhojia Dental College & Hospital

Baddi (HP)

S. No.	ISBN No.	PARTICULARS	RATE	DISCOUNT	AMOUNT	
					Rs.	P.
1	1	Lawson's Principles of Medicine 23rd 4743	2675	30%	1873 = 00	
2	2	Shaffer's Oral Pathology 4th 4726, 4727	2195	30%	3073 = 00	
3	1	Robins's Basic Pathology 4726	2295	30%	1607 = 00	
4	1	Orban's Oral Histology 15th 1775	1775	30%	1243 = 00	
5	1	Biochemistry Salgo 5th 4773	1535	25%	1151 = 00	
6	2	Wheeler's Dental Anatomy 11th 4737, 4738	1295	30%	1813 = 00	
7	2	Neelima Malik O.C. 5th 4724, 4725	1795	28%	2585 = 00	
8	2	Human Physiology (Dental) 4728	895	28%	1289 = 00	
9	1	Endodontics (Nishi) 4731	1295	28%	932 = 00	
10	2	KDT Repalle's Pharmacology 4735, 4736	895	28%	1289 = 00	
Total					16855 = 00	
Balance						
G.TOTAL						

E.&O.E.

1. All disputes are subject to Chandigarh Jurisdiction only.

No bill not be taken back.

For BOOK PORT

Authorised Signatory

BILL / CASH MEMO

Mob. : 98148-55770

BOOK PORT

Sell & Buy (Old & New Books)

Deals In : Medical, BDS, Pharmacy, Nursing, Ayurvedic, Homoeopathic Books

SHOP NO. 22, OLD MARKET, SECTOR 15-A, CHANDIGARH

Bill No.

2454

Dated 12/2/2021

Name

Bhojia Dental College & Hospital

Raddi (HP)

S. No.	ISBN No.	PARTICULARS	RATE	DISCOUNT	AMOUNT	
					Rs.	P.
11	1	TB of Histology (Kushnagar) 4732	595	30%	417 =	00
12	1	TB of Surgery (S. Datta) 4744 10th ed	1021	20%	817 =	00
13	2	A Manual of clinical surgery 4739 4th ed	1084	20%	1734 =	00
14	2	Hutchinson's clinical methods 4741, 4742 S. Datta	18.5	30%	1988 =	00
15	2	TB of operative dent. (N. Gay) 4733, 4734	1095	28%	1577 =	00
16	1	TB of micro bio (Berg) 4728 5th ed	695	28%	500 =	00
Total Previous Bill No. 2453					7033 =	00
Entered in stock Register with A.C. No. 4720 to 4744 25 books Equal 24/2/21					16855 =	00
Total						
Balance						
G.TOTAL					23888 =	00

E.&O.E

1. All disputes are subject to Chandigarh Jurisdiction only.

2. Goods once sold shall not be taken back.

For BOOK PORT

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INVOICE

CITY BOOK SHOP

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THE LIBRARIAN

HOJIA DENTAL COLLEGE AND HOSPITAL

UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY,

VILLAGE BUDH (BADDI),

TEHSIL NALAGARH, DISTT. SOLAN,

BADDI-173205

HIMACHAL PRADESH

Phone No:- 9882417041

Conversion Rates :- \$ - 76.40, RS - 1.00

INVOICE No. CBS/2020-21/ 751 Date 05/03/2021

Order No. Phone Date 05/03/2021

Delivery by DTDC COURIER

G.R.No

Doc. Through

Bundles 1 Weight 0 Freight

AUTHOR	TITLE	PUB	QTY.	CUR.	RATE	GROSS	DISC (%)	AMOUNT
Ritter	Studevant'S Art And Science Of Operative Dentistry, 7E (Hb)	ELSEVI	1	\$	159.00	12147.60	35.00	7,895 94
Resnik	Misch'S Contemporary Implant Dentistry 4751	ELSEVI	1	₹	5275.00	5275.00	30.00	3,692 50

Entered in stock Register
with Acc No. 4750 + 4751
Agwal

12/3/21

Total No. of Books = 2

Total 11588.44

Rupees : Eleven Thousand Five Hundred Eighty Eight Only

Remarks :

Postage/Freight (+) 0.00

Less Adv./Adj.(-) 0.00

NET AMOUNT 11588.00

Terms & Conditions

1. Certified that correct Publishers's Price have been Charged. according to the publishers
2. Catalogue or invoice and the latest ed. have been supplied and these are not of remainders titles
3. Conversion rates charged as per approved by G.O.C.
4. Interest @ 18% P.a will be charged if the Payment in not made within 30 days
5. Goods once sold will note accepted back, All disputes subject to Chandigarh Jurisdiction only
6. Our Bank Detail - Axis Bank Ltd. A/C 041010300004909, IFSC, UTIB0000520, Branch Sector- 17B

Prepared By

Amit

Checked By

Authorised Signatory
Ph. 2708612
Shop No. 2 Anand Commercial Complex
For CITY BOOK SHOP
Chandigarh

Bill of Supply



Passi Healthcom Private Limited
304, Virat Bhawan, Commercial Complex
Mukherjee Nagar, Delhi - 110009
CIN: U74899DL1990PTC039088
GSTIN: DL04E0008719
TIN/UIN: 07AAACP0937E1ZR
Delhi, Code : 07
Email: ashish@passi.org

Consignee
Mr. Amisha Bhatia
No. 72
Sector - 6
Panchkula - 134102
State Name : Haryana, Code : 06

Buyer (if other than consignee)
Mr. Amisha Bhatia
No. 72
Sector - 6
Panchkula - 134102
State Name : Haryana, Code : 06

Invoice No. MU/025/MAR-2021	Dated 10-Mar-2021
Delivery Note	Mode/Terms of Payment
Supplier's Ref.	Other Reference(s)
Buyer's Order No.	Dated
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	

Description of Goods	HSN/SAC	Quantity	Rate	per	Amount
Medical Book Towards the Cost of Following Medical Books 4 Removable Partial Prosth. Rs. 4000/- 4758-4761 4 F. Fixed Prosth. Rs. 4000/- 4752-4755 2 Biomechanics in Rs. 3000/- 4762, 4763 2 Operative Dentistry Rs. 2000/- 4756, 4757 1 F. of Periodontics Rs. 1000/- 4764 1 Pediatric Dentistry Rs. 1000/- 4765 <i>Centred in stock Register</i> <i>Accn. 4752-4765</i> <i>14 Books</i> <i>Agreed</i>	4902				15,000.00
Total					

Amount Chargeable (in words) **Indian Rupees Fifteen Thousand Only** **₹ 15,000.00**
E. & O.E

HSN/SAC	Taxable Value
4902	15,000.00
Total	15,000.00

Tax Amount (in words) : **NIL**

Company's PAN : **AAACP0937E**

Declaration
Terms & Conditions:-
Any discrepancy regarding this Invoice should be brought to our notice immediately through Email at accounts@passi.org. This Invoice due upon presentation unless any credit period mentioned otherwise.
Interest @ 2% p.m. will be charged for delayed Payments.
All Payments should be made through RTGS/NEFT/ Cheque Demand Draft in favour of Passi Healthcom Pvt. Ltd.
All disputes are subject to Delhi Jurisdiction only.

for Passi Healthcom Private Limited

Signature
Authorised Signatory

SUBJECT TO DELHI JURISDICTION
This is a Computer Generated Invoice



INVOICE

CITY BOOK SHOP

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Near Taj Hotel, Sector -17A, Chandigarh - 160017
Ph. : 0172-5017005, 2708612 Mob. : 9356117075, 9814017075
E-mail : citybookshopchandigarh@gmail.com
PAN : AAOPJ9521F

ALL BOOKS ARE EXEMPTED UNDER HSN CODE : 4901 / 4902 . NO GST IS APPLICABLE .

SHIOJIA DENTAL COLLEGE AND HOSPITAL
UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY,
VILLAGE BUDH (BADDI),
TEHSIL NALAGARH, DISTT. SOLAN,
HIMACHAL PRADESH
Phone No:- 9882417041

Conversion Rates :- \$ - 76.80

INVOICE No. CBS/2020-21/ 652 Date 15/02/2021

Order No. MAIL Date 05/02/2021

Delivery by THROUGH COURIER

G.R.No

Doc. Through

Bundles 0 Weight 0 Freight

AUTHOR	TITLE	PUB	QTY.	CUR.	RATE	GROSS	DISC (%)	AMOUNT
Goldstein	Ronald E. Goldstein'S Esthetics In Dentistry, 3E, 2 Vols. Set (Hb)	JOHN W	1	\$	399.95	30716.16	35.00	19,965 50
Mount	Preservation And Restoration Of Tooth Structure, 3E (Hb)	JOHN W	1	\$	88.50	6796.80	35.00	4,417 92
Ilan Rotstein, Jc	Ingles Endodontics	PMPH	1	\$	239.00	18355.20	35.00	11,930 88

Entered in stock Register
Acc. 4745 to 4749
@ gmal.

Handwritten signature and date 26/2/21

Total No. of Books = 3

Total 36314.30

Thirty Six Thousand Three Hundred Fourteen Only

Postage/Freight (+) 0.00

Less Adv./Adj. (-) 0.00

NET AMOUNT 36314.00

Conditions

ed that correct Publishers's Price have been Charged. according to the publishers
gue or invoice and the latest ed. have been supplied and these are not of remainders titles
rsion rates charged as per approved by G.O.C.
st @ 18% P.a will be charged if the Payment in not made within 30 days
once sold will note accepted Back, All disputes subject to Chandigarh Jurisdiction only

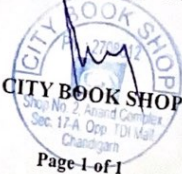
nk Detail - Axis Bank Ltd. A/C 041010300004909, IFSC, UTIB0000520, Branch Sector- 17B

ed By Admin

Checked By

Authorised Signatory

For CITY BOOK SHOP





BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BUDH/LIB/ 4063
Date: 22-01-2021
02/2/2021

Ph. (01795) 244721, 246921

M/s Passi Science Communications Pvt. Ltd.
303-304, 317-318 Virat Bhawan,
Dr. Mukherjee Nagar,
Commercial Complex,
Dr. Mukherjee Nagar,
New Delhi- 110 009.

Sub: Subscription of 'International Journal of Prosthodontics & Quintessence International' for the years 2021.

Sir,

Enclose please find a Cheque No. 001285 dated 30-1-21 for Rs.43,567/- (Rupees forty three thousand five hundred sixty seven only) in favour of **Passi Science Communications Pvt. Ltd.**, payable at New Delhi, of H.D.F.C. Bank, Baddi on account of subscription for the supply of "International Journal of Prosthodontics" for the year 2021 for this institution.

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Principal
Principal 22/01/21
Encl. As above.



BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

Ph. (01795) 244721, 246921

BDC/BUDH/LIB/
Date: 02.03.2020

5078

M/s Anmaks Subscriptions & Publication Pvt. Ltd.,
BB-15A, Near Hanuman Mandir,
Under Pass Railway Line,
New Delhi- 110 088.

Sub: Subscription of Dental Journals for the years 2021.

Sir,

It is with reference to your quotation No. ASP/BDCHB-LIB/2021/001 dated 23.01.2021 for the above cited subject.

Enclose please find a Cheque No. 3182 dated 9/3/21 for Rs.5,43,293/- (Rupees five lakh forty three thousand two hundred ninety three only), inclusive of all Tax's, GST etc, in favour of M/s Anmaks Subscriptions & Publication Pvt. Ltd", payable at New Delhi, ofBank on account of subscription for the supply of **Dental Journals** for the year 2021 for this institution, detailed mentioned below: -

Sr. No.	Title	Amount in Rs.
1.	Journal of clinical Pediatric Dentistry	44765
2.	American Journal of Orthodontics & Dentofacial Orthopedics	83109
3.	Journal of Periodontology	57983
4.	Journal of American Dental Association	23630
5.	Dental Clinics of North America	52745
6.	Oral Surgery, Oral Medicine, Oral Pathology	102000
7.	Journal of Prosthetic Dentistry	92399
8.	Journal of Operative Dentistry	18080
9.	Journal of Endodontics	62659
10.	Dental Materials Journal	5923
	Total	5,43,293

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Maksu
Principal 8/3/21
Encl. As above.

RP01893257IN IVR:82800189325
RL MANIMAJRA SD (160101)
Counter No:3.23/03/2021.14:44
To: M/S WOLTERS K.A-202 THE QUBE
PIN:400059, J.B. Nagar S.O
From: BHOJIA GROU. BHLD TEH BADDI
Wt:100ms
Amt:22.00(Cash)
(Track on www.indiapost.gov.in)
(Dial 18002444848) (Wear Mask, Stay Safe)



DENTAL COLLEGE & HOSPITAL

, TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

Ph. (01795) 244721, 246921

M/s Wolters Kluwer India Pvt. Ltd.,
A-202, 2nd Floor, The Qube,
C.T.S. No. 1498A/2,
Village – Marol, Andheri (East)
Mumbai – 400059, INDIA.

Sub: Subscription of Journals for the year 2021.

Please find enclose herewith a Cheque No.3.183..... dated9/3/21 for
Rs.1,11,880/- (Rupees one lakh eleven thousand eight hundred eighty only) in favour of
“M/s Wolters Kluwer India Pvt. Ltd”, payable at Mumbai of Bank,
Baddi on account of subscription of Journals detail given below for the year 2021,
inclusive of all Tax's, GST etc.: -

Sr. No.	Name of Jouraal	Amount in Rs.
1.	Journal of Indian Society of Periodontology	14400
2.	Journal of Indian Society of Pedodontics&Preventive Dentistry	11500
3.	Journal of Conservative Dentistry	11670
4.	Journal of Oral& Maxillofacial Pathology	5930
5.	Journal of Forensic Dental Sciences	1850
6.	Endodontology	8000
7.	Journal of Indian Prosthodontic Society	14330
8.	Journal of Indian Academy of Oral Medicine & Radiology	11880
9.	Indian Journal of Dental Research	11880
10.	Indian Journal of Pathology and Microbiology	12000
11.	Journal of Indian Orthodontics Society	8220
	Total	1,11,880/-

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Malsa
Principal 8/3/21

Encl. As above.

[Under the Management of: Bhojia Charitable Trust for Science Research & Social Welfare]
S.C.O. 855, Manimajra, Chandigarh. Ph. 0172-2734521.



BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BHUD/ 5087

Date: 02-03-2021
01/4/21

Ph. (01795) 244721, 246921

Professor K. K. Deepak,
Executive Editor,
Indian Journal of Physiology and Pharmacology,
Department of Physiology,
All India Institute of Medical Sciences,
Sri Aurobindo Marg, Ansari Nagar,
Ansari Nagar East, New Delhi - 110029

Sub: Subscription journal for one year 2021-22.

Sir,

Enclose please find a Demand Draft No. ^{CHB} 666135 dated 30-3-21 for Rs.4,000/- (Rupees four thousand only) in favour of M/s Indian Journal of Physiology and Pharmacology" of ^{Indian} bank on account of subscription of Journal " Indian Journal of Physiology and Pharmacology" for one year (2021-22) for this institution.

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Malika
Principal 30/3/21

Encl. As above.



BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BHUD/ 5086

Date: 02-03-2021

01/4/21

Ph. (01795) 244721, 246921

M/s Red Flower Publication Pvt. Ltd.,
48/41-42, DSIDC, Pocket-II,
Mayur Vihar, Phase - 1, Delhi PIN 110091

Sub: Subscription journal for one year 2021-22.

Sir,

Enclose please find a Demand Draft No. ^{GHA No.} 666184 dated 30/3/21 for Rs. 17,500/- (Rupees seventeen thousand five hundred only) in favour of M/s Red Flower Publication Ltd. Delhi of ^{Indian} bank payable at Delhi on account of subscription of Journal "New Indian Journal of Surgery" & "Indian Journal of Anatomy" for one year (2021-22) for this institution.

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Malea
Principal 30/3/21
Encl. As above.



BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BHUD/ 6025
Date: 07.04.2021

Ph. (01795) 244721, 246921

17

M/s Current Medical Journal,
House No. 5172/2, MHC,
MHC, Manimajra,
Chandigarh-160101

REGISTERED

Sub: Subscription of journal for one year 2021-22.

Sir,

It is with reference to your letter regarding the balance of above journal.

Enclose please find a Demand Draft No. 001535 dated 7.4.21 for Rs.1500/- (Rupees one thousand five hundred only) in favour of M/s Current Medical Journal." of Hdfc bank on account of subscription of Journal " Current Medical Journal" for one year (2021-22) for this institution.

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Maika

Principal

Encl. As above.

RP018928C01IN IVR:8280018928201
RL MANIMAJRA SD (160101)
Counter No:3.20/04/2021.11:54
To:M/S CURRENT MED 5172/2 MHC
PIN:160101, Manimajra SD
From:BHOJIA DENTAL COLLEGE & HOSPITAL
Wt:100ms
Amt:22.00(Cash)
<Track on www.indiapost.gov.in>
<Dial 1800266688> <Wear Masks>





BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BHUD/ 6027

Date: 07.04.2021

Ph. (01795) 244721, 246921

M/s National Institute of Science Communication
and Information Resources,
Dr. K. S. Krishnan Marg (Near Pusa Gate),
New Delhi - 110012

REGISTERED

Sub: Subscription journal for one year 2021-22.

Sir,

Enclose please find a Demand Draft No. 001536 dated 7-4-21 for Rs.1,950/- (Rupees one thousand nine hundred fifty only) in favour of M/s NISCAIR, New Delhi of HDFC bank payable at New Delhi, on account of subscription of Journal "Indian Journal of Biochemistry and Biophysics (IJBB)" for one year (2021-22) for this institution.

Kindly acknowledge the receipt.

Thanking you.

For Bhojia Dental College & Hospital

Malwa
Principal 9/4/21
Encl. As above.

RF018928348IN ITR:6280016928348
RL MANIMAJRA SO (160101)
Counter No:3.20/04/2021.11:54
To:M/S NATIONAL .DR K S KRISHNAN
PIN:110012. IARI SO
From:BHOJIA GROUND,TEH BADDI
Wt:10gms
Amt:22.00(Cash)
(Track on www.indiapost.gov.in)
(Dial 18002666888) (Wear Masks.)





BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BUDH/LIB/ 3163
Date: 02.06.2021
07

Ph. (01795) 244721, 246921

M/s AVAGS Information Systems,
A-1/47, 1st Floor, Ajad Hind Fauj Marg,
Dwarka Mor (Sewak Park),
New Delhi- 110 059.

O/C

Sub: Subscription of Online Journals for June 2021 to June 2022.

Sir,

Enclosed, please find a Cheque No. 003320 dated 4/6/2021
for Rs.37,500/- (Rupees thirty seven thousand five hundred only) of
Ausp Bank, Baddi on account of subscription of Online
Journals for the period from June 2021 to June 2022.

Kindly acknowledge the receipt.

Thanking you,

For Bhojia Dental College & Hospital

Malsu
Principal 4/6/21

Encl. As above



BHOJIA DENTAL COLLEGE & HOSPITAL

BUDH (BADDI), TEH. NALAGARH, DISTT. SOLAN (HP) PIN 173205

BDC/BHUD/LIB/ 3162
Date: 02.06.2021
07

Ph. (01795) 244721, 246921

The Editor,
Jaypee Brothers Medical Publisher,
B-3, EMCA House, 23/23B,
Ansari Road, Daryaganj,
P. B. No. 7193,
New Delhi 110002.

O/C

Sub: Subscription of Journal "International Journal of Clinical Pediatric Dentistry" for the year 2021.

Sir,

Please find enclosed herewith a Bank Draft No. ⁴⁶003319 dated 4/6/2021 for Rs.14,000/- (Rupees fourteen thousand only), inclusive of all Tax's, GST etc, in favour of "Jaypee Brothers Medical Publisher (P) Ltd., payable at New Delhi, of Ayus F Bank, Baddi on account of subscription for Journal "International Journal of Clinical Pediatric Dentistry" for the year 2021 for this institution.

Please acknowledge the receipt.
Thanking you.

For Bhojia Dental College & Hospital

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Principal 4/6/21
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Total No of Titles

632 - Journals

130 - Books

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Subjects

Conservative & Endodontics

Orthodontics & Dentofacial Orthopedics

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Periodontology

Oral Medicine & Radiology

Oral Pathology

Endodontics

Oral & Maxillofacial Surgery

Public Health Dentistry

Dentistry & Oral Science

e-Journals

Full Text - 18

Full Text - 29

Full Text - 22

Full Text - 18

Full Text - 28

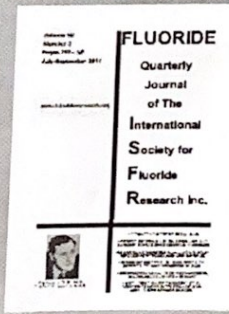
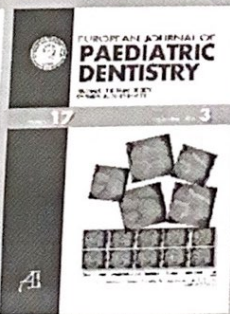
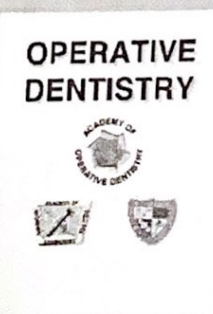
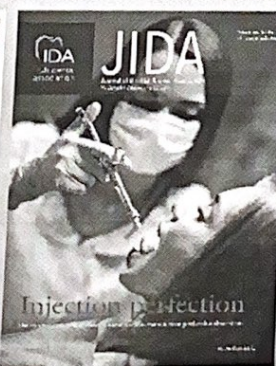
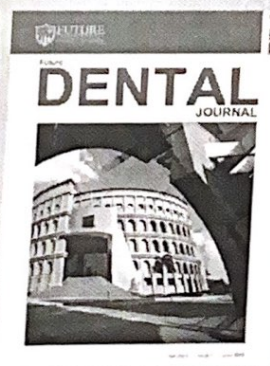
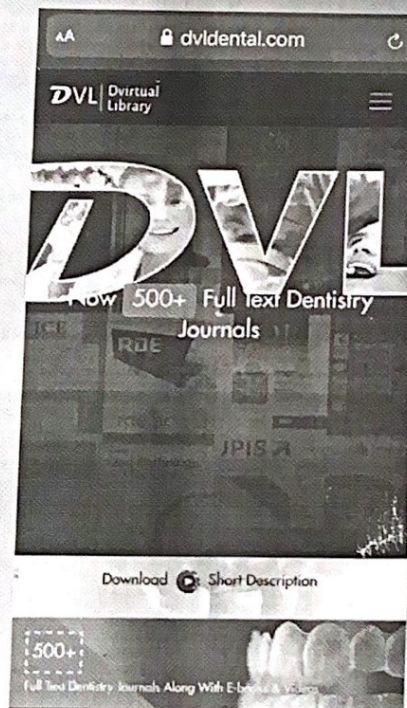
Full Text - 37

Full Text - 14

Full Text - 35

Full Text - 28

Full Text - 238



For questions/order contact at: +91 11 4107 7955, +91 989986 1071

Anatomy- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Publication Year	Copies	Acc.No .	Cost
1	2016	Jagnath Prasad	Recent Human Anatomy	Ist	Thieme	2014	1	4386	650
2	2016	Jagnath Prasad	Recent Human Anatomy Thorax	2nd	Thieme	2014	1	4387	650
3	2016	Jagnath Prasad	Recent Human Anatomy Head&neck	2nd	Thieme	2014	1	4388	650
4	2016	Visahram Singh	Thieme Dissector Upper Limb	2nd	Thieme	2016	1	4389	475
5	2016	Visahram Singh	Thieme Dissector Thorax	2nd	Thieme	2016	1	4390	525
6	2016	Visahram Singh	Thieme Dissector Head&Neck	2nd	Thieme	2016	1	4391	550
6	2017	Kumar	Surface Anatomy	2nd	Bombay	1981	1	4468	0
7	2017	Chaudhary	Practical Anatomy	ist	Calcutta	1984	1	4474	0
8	2017	Romanes	Cunnigham Manual of Practical anatomy	13th	Oxford	1966	1	4482	0
9	2017	Kanagasu	Anatomy Regional& Clinical	ist	PB	1987	1	4484	0
10	2018	Pal	Neuroanatomy for Medical Students	Ist	Wolter	2017	1	4551	0
11	2018	Prabhu	Tb Of Histology	5th	Enmeers	2018	1	4630	0
12	2018	Pal	Textbook of Histology	5th	Paras	2019	1	4631	0
13	2019	Chaurasia	Handbook of General Anatomy	6th	CBS	2020	2	4676	240
14	2019	Chaurasia	Handbook of General Anatomy	6th	CBS	2020		4677	240
15	2019	Krishna Garg	Chaurasia Upper Limb	8th	CBS	2018	2	4693	390
16	2019	Krishna Garg	Chaurasia Thorax	8th	CBS	2018	1	4694	390

17	2019	Krishna Garg	Chaurasia Head&Neck	8th	CBS	2018	1	4695	390
18	2019	Krishna Garg	Chaurasia Neuroanatomy	8th	CBS	2018	1	4606	390
19	2019	Dutta	Principles of General Anatomy	8th	CBS	2018	2	4638	380
20	2019	Dutta	Principles of General Anatomy	8th	CBS	2018	1	4639	380
21	2021	Subhadra Devi	General Anatomy	3rd	Jaypee	2019	1	4705	0
22	2021	Sushil Kumar	I B Singh Human Osteology	12th	Jaypee	2019	1	4707	0
23	2021	Subhadra Devi	I B Singh Human Embryology	12th	Jaypee	2021	1	4709	0
24	2021	Subhadra Devi	I B Singh Upper Limb	7th	Jaypee	2019	1	4716	0
25	2021	Subhadra Devi	I B Singh Thorax	7th	Jaypee	2019	1	4717	0
26	2021	Subhadra Devi	I B Singh Head&Neck	7th	Jaypee	2019	1	4718	0
27	2021	Krishna Garg	Textbook of Histology	5th	CBS	2019	1	4732	595
28	2021	Chaurasia	General Anatomy	3rd	CBS	1991	1	4783	0
29	2021	Chaurasia	Human Anatomy Upper Limb	4th	CBS	2006		4784	0
									6895/-

Total Amount-6895/-

Biochemistry- Books added Year 2016 to 2021

Sr. No	Year of Purchasing	Author	Title	Ed .	Publisher	Pub. Year	Copies	Acc. No.	Cost
1	2016	Rajgopal	MCQ in Biochemistry		Ahuja		1	4476	0
2	2016	Vasudevan	Textbook of Biochemistry for Dental Students	2nd	Jaypee	2011	1	4479	0
3	2019	Gupta	Manual of Practical Biochemistry	3rd	Arya	2013	1	4665	0
4	2019	Gupta	Biochemistry for Dental Students	1st	Arya	2017	1	4666	0
5	2019	Arya	Dental Biochemistry	1st	PeeVee	2019	1	4673	0
6	2019	Arya	Innovative & Creative Dental Biochemistry	1st	PeeVee	2019	1	4674	0
7	2019	Satyanarayan	Biochemistry	5th	Elsevier	2017	3	4685	1050
8	2019	Satyanarayan	Biochemistry	5th	Elsevier	2017		4686	1050
9	2021	Satyanarayan	Biochemistry	5th	Elsevier	2017		4723	1151
									3251

Total Amount-3251/-

Conservative- Books added Year 2016 to 2021

Sr. No	Yr of purchasing	Author	Title	Ed.	Publisher	Pub. Year	Copies	Acc.No.
1	2016	Sikri	Dental Caries	Ist	CBS	2016	1	4364
2	2016	Hargraves	Cohan Pathways of Pulp	11th	Elsevier	2016	1	4365
3	2016	GopiKrishn	Preclinical Manual of Conservative& Endo	2nd	elsevier	2016	2	4384
4	2016	GopiKrishn	Preclinical Manual of Conservative& Endo	2nd	elsevier	2016		4385
5	2016	Suresh Chandra	Grossman Endodontic Practice	13th	Wolter	2014	2	4392
6	2016	Suresh Chandra	Grossman Endodontic Practice	13th	Wolter	2014		4393
7	2016	Garg	Preclinical Manual of Conservative& Endo	2nd	Jaypee	2016	2	4422
8	2017	Braunton	Decision Making in Operative Dentistry	ist	Quint	2002	1	4500
9	2017	Garg	Preclinical Manual of Conservative& Endo	3rd	Jaypee	2017		4411
10	2018	Boushel	Sturdevent Art&Sc.of Operative Dentistry	2 nd Ind	Elsevier	2018	2	4554

11	2018	Boushel	Sturdevent Art&Sc.of Operative Dentistry	2 nd Ind	Elsevier	2018		4555
12	2019	Suresh Chandra	Grossman Endodontic Practice	14th	Wolter	2021	2	4771
13	2019	Hegde	Textbook of Endodontics	2nd	enmours	2016	1	4629
14	2019	Garg	Textbook of Endododontics	4th	Jaypee	2019	2	4671
15	2021	Garg	Textbook of Endododontics	4th	Jaypee	2019		4731
16	2021	Garg	Textbook of Operative Dentistry	4th	Jaypee	2020	2	4733
17	2021	Garg	Textbook of Operative Dentistry	4th	Jaypee	2020		4734
18	2021	Rotstein	Ingle'Endodontic s Vol.1	7th	PMPH	2019	1	4745
19	2021	Rotstein	Ingle'Endodontic s Vol.II	7th	PMPH	2019		4746
20	2021	Mount	Preservation & Restoration of Tooth Structure	3rd	willey	2016	1	4747
21	2021	Giodstein	Esthetic Dentistry Vol.1	3rd	Wiley	2018	1	4748
22	2021	Giodstein	Esthetic Dentistry Vol.2	3rd	Wiley	2018		4749
23	2021	Ritter	Sturdevent Art&sc.of Operative Dentistry	7th	Elsevier	2019	1	4750

24	2021	Thomas	Summit's Fundamental of Operative Dentistry	4th	quint	2014	2	4756
25	2021	Thomas	Summit's Fundamental of Operative Dentistry	4th	quint	2014		4757
26	2021	Gopikrish n	Grossman Endodontic Practice	14th	Wolter	2021		4770

Total

Amount-58927/-

Dental Material- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed .	Publisher	Publication Year	Copies	Acc.No.
1	2016	Jawahar Lal	Manual for Under Graduate for Dental Materials	Ist	Jaypee	2016	1	4374
2	2016	Tiwari	Workbook for Dental Materials	Ist	PeePee	2015	1	4380
3	2017	Manapalli	Basic Dental Materials	4th	Jaypee	2016	4	4506
4	2017	Manapalli	Basic Dental Materials	4th	Jaypee	2016		4507
5	2019	Manapalli	Basic Dental Materials	4th	Jaypee	2016		4708
6	2019	Subarao	Notes on Dental Material	7th	Paras	2019	1	4675
7	2019	Manapalli	Basic Dental Materials	4th	Jaypee	2016		4708

Total

Amount-1700/-

Dental Anatomy- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Publication Year	Copies	Acc.No.	Cost
1	2016	Biviji	Dental Anatomy	3rd	B mumbai	2012	1	4373	295
2	2016	Phullari	Textbook of Dental anatomy Physiology	Ist	Jaypee	2014	1	4404	0
3	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	9th	Mosby	2010	1	4414	0
4	2016	Nanci	Tencate's Oral Histology	9th	Mosby	2008	1	4415	0
5	2016	Kumar	Orban's Oral Histology & Embryology	14th	Elsevier	2015	2	4423	1445
6	2016	Kumar	Orban's Oral Histology & Embryology	14th	Elsevier	2015		4425	1445
7	2016	Prasad	Atlas of Oral Histology	Ist	Elsevier	2015	2	4424	0
8	2016	Prasad	Atlas of Oral Histology	Ist	Elsevier	2015		4426	0
9	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	Ist IND	Eisevier	2015	5	4427	1125
10	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	Ist IND	elsevier	2015		4428	1125
11	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	Ist IND	Elsevier	2015		4429	1125
12	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	Ist IND	Elsevier	2015		4430	1125
13	2016	Nelson Ash	Wheeler's Dental Anatomy Physiology	Ist IND	Elsevier	2015		4431	1125
14	2017	Maji Jose	Manual of Oral Histology & Oral	2nd	CBS	2017	2	4443	495

			Pahology						
15	2017	Maji Jose	Manual of Oral Histology&Oral Pahology	2nd	CBS	2017		4444	495
16	2018	Rajkumar	Textbook of Oral Anatomy Histology Physiology	2nd	Wolter	2017	2	4549	0
17	2019	Rajkumar	Quick REviewof Oral Anatomy Physiology	Ist	Wolter	2018		4667	0
18	2019	Phullari	Textbook of Dental anatomy Physiology	2nd	Jaypee	2019	2	4669	0
19	2019	Kumar	Orban'sOral Histology&Embr yology	15th	Elsevier	2019	2	4681	1200
20	2019	Prasad	Atlas of Oral Histology	2nd	Elsevier	2019	2	4682	0
21	2021	Phullari	Textbook of Dental anatomy Physiology	2nd	Jaypee	2019		4711	0
22	2021	B Sivapathas undram	Textbook ofOral Embryology&His tology	2nd	Jaypee	2019	1	4712	0
23	2021	Kumar	Orban'sOral Histology&Embr yology	15th	Elsevier	2019		4721	1243
24	2021	Prasad	Atlas of Oral Histology	2nd	Elsevier	2019		4722	0
25	2021	Nelson Ash	Wheeler's Dental Anatomy Physiology	11th	Elsevier	2020	2	4737	1295
26	2021	Nelson Ash	Wheeler's Dental Anatomy Physiology	11th	Elsevier	2020		4438	1295
									14833/-

Total

Amount-Rs.14833/-

Medicine- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Publication Year	Copies	Acc.No .	Cost
1	2016	Tripathi	Ess.of Medicine for Dental Students	2nd	Jaypee	2012	4	4377	550
2	2017	Five Teachers	Gynacology	Ist	Delhi	1986	1	4457	0
3	2017	Mcdowell	Logan ENT	8th	Varghesh	1977	1	4458	0
4	2017	Kapoor	Diabetic Update	2nd	Agra	1997	1	4459	0
5	2017	Charlee	Harrison Principles of Internal Medicine	16th	Mcgraw	2005	1	4460	0
6	2017	Hawkins	Shaw Tb of Gynacology	8th	Churchill	2016	1	4391	0
7	2017	Partno	Psychiatry	Ist	MIR	1969	1	4463	0
8	2017	Daftary	Shaw Tb of Gynocology	iith	Churchill	1989	1	4464	0
9	2017	Butner	Medical Examination Review	2nd	Gaku	1975	1	4465	0
10	2017	Hurt	Tb Of Study Guide of Gynecology	ist	Gaku	1975	1	4472	0
11	2017	Linda	Infection prevention of family planning	Ist	MIS	1992	1	4473	0
12	2017	Percival	Manuai of obstretic	14th	Churchill	1980	1	4475	0
13	2017	Myers	Medicine NMS		NMS	1976	1	4477	0
14	2017	Beaumont	Medicine for practitioners	8th	Churchill	1962	1	4481	0
15	2017	Chugh	Tb of Clinical Medicine for Dental Students	4th	Arya	2015	8	4522	570
16	2018	Nanda	Courses in Chest Medicine	Ist	Escort	2002	1	4540	0
17	2018	Barnes	An Atlas of Pulmonary Disease	Ist	London	2004	1	4694	0
18	2018	Davies	Clinical Tuberculosis	Ist	Chapman	1993	1	4542	0

19	2018	Jindal	Pulmonary&Critical Care Update	Ist	PGIMER	1998	1	4544	0
20	2018	Davies	Case Presentation in Clinical TUBerculosis	Ist	London	1999	1	4545	0
21	2018	William	Cardiology	Ist	william	1997	1	4546	0
22	2018	Khan	Heart Diseases Diagnosis & Therapy		Waverly	1998	1	4547	0
23	2018	Gupta	Medical Emergencies in General Practitioners	5th	Goyal	1993	1	4548	0
24	2018	Tripathi	Ess.of Medicine for Dental Students	3rd	Jaypee	2017		4564	455
25	2018	Ralston	Davidson Principles & Practice of Medicine	23rd	Elsevier	2018	2	4569	1550
26	2018	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2012		4624	0
27	2018	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2012		4628	0
28	2019	Tripathi	Ess.of Medicine for Dental Students	3rd	Jaypee	2017		4652	695
29	2019	Tripathi	Ess.of Medicine for Dental Students	3rd	Jaypee	2017		4653	695
30	2019	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2007		4697	0
31	2019	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2007		4698	0
32	2019	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2007		4699	0
33	2019	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2007		4700	0
34	2019	Chugh	Tb of Clinical Medicine for Dental Students	3rd	Arya	2007		470	0
35	2019	Panja	Tropical Heart Diseases in India	2nd	IJCP	2001	1	4702	0
36	2019	Anand	Hypertension	2nd	IJCP	2001	1	4703	0
37	2019	Castro	Clinical Asthma	Ist	Elsevier	2009	1	4704	0
38	2021	Glynn	Hutchison Clinical Method	24th	Elsevier	2018	2	4741	925
39	2021	Glynn	Hutchison Clinical Method	24th	Elsevier	2018		4742	925
40	2021	Ralston	Davidson Principles & Practice of Medicine	23rd	Elsevier	2018		4743	2675
									9940/-

Total Amount-9940/-

Microbiology- Books added Year 2016 to 2021

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Total Amount-18108/-

Oral Medicine&Radiology- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Pub. Year	Copies	Acc.No.	Cost
1	2017	Rout	Interprating Dental Radiography	Ist	Quint	2002	1	4498	1086
2	2018	Ghom	Textbook of Oral Radiology	2nd	Elsevier	2018	1	4552	0
3	2019	kulkarni	Oral Medicine &Radiology	Ist	Arya	2018	1	4625	0
4	2019	Ongole	Textbook of Oral Medicine&Oral Radiology	2nd	Elsevier	2013	3	4656	2030
5	2019	Ongole	Textbook of Oral Medicine&Oral Radiology	2nd	Elsevier	2013		4657	2030
6	2019	Ongole	Textbook of Oral Medicine&Oral Radiology	2nd	Elsevier	2013		4658	2030
7	2019	Sanjay Mallaya	White & Pharoah Oral Radiology	2 nd IND	Elsevier	2019	4	4679	1100
8	2019	Sanjay Mallaya	White & Pharoah Oral Radiology	2 nd IND	Elsevier	2019		4680	1100
9	2021	Sanjay Mallaya	White & Pharoah Oral Radiology	2 nd IND	Elsevier	2019		4776	1650
10	2021	Sanjay Mallaya	White & Pharoah Oral Radiology	2 nd IND	Elsevier	2019		4777	1650
									12 6

Total

Amount-Rs.12675/-

Oral Pathology- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed .	Publisher	Pub.Year	Copies	Acc.No .	Cost
1	2016	Sivapathasundaram	Manual of Salivary Gland Diseases	Ist	Jaypee	2016	1	4366	695
2	2016	Agni	Salivary Gland Pathologies	Ist	Jaypee	2013	1	4367	795
3	2016	Saman	Oral Medicine& Oral Pathology	Ist	Jaypee	2014	1	4368	1495
4	2016	Masthan	Textbook of Pediatric Oral Pathology	1st	Jaypee	2011	1	4369	1075
5	2016	Neville	Oral&Maxillofacial Pathology	7th	Elsevier	2015	1	4372	2125
6	2016	Neville	Oral&Maxillofacial Pathology	Ist IN D	Elsevier	2016	2	4432	2275
7	2016	Neville	Oral&Maxillofacial Pathology	Ist IN D	Elsevier	2016		4433	2275
8	2016	Sivapathasundaram	Shafer'sTextbook of Oral Pathology	8th	Elsevier	2016	5	4434	1925
9	2016	Sivapathasundaram	Shafer'sTextbook of Oral Pathology	8th	Elsevier	2016		4435	1925
10	2016	Sivapathasundaram	Shafer'sTextbook of Oral Pathology	8th	Elsevier	2016		4436	1925
11	2016	Sivapathasundaram	Shafer'sTextbook of Oral Pathology	8th	Elsevier	2016		4437	1925
12	2016	Sivapathasundaram	Shafer'sTextbook of Oral	8th	Elsevier	2016		4438	1925

			Pathology						
13	2017	Vijay Kumar	Oral Pathology for Under graduate	Ist	Paras	2017	1	4485	0
14	2019	Nayak	Textbook of Oral Pathology	Ist	Paras	2019	2	4576	0
15	2019	Nayak	Textbook of Oral Pathology	Ist	Paras	2019		4577	0
16	2019	Purkait	Essential of Oral Pathology	4th	Jaypee	2019	1	4668	0
17	2021	Sivapathas undram	Shafer'sTextbook of Oral Pathology	9th	Elsevier	2020	2	4726	2195
18	2021	Sivapathas undram	Shafer'sTextbook of Oral Pathology	9th	Elsevier	2020		4727	2195
									24750/-

Total

Amount-Rs.24750/-

Oral Surgery- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Pub. Year	Copies	Acc.No .	Cost
1	2016	Topazian	Oral& Maxillofacial Infections	4th	Elsevier	2002	1	4363	5054
2	2016	Malamed	Medical Emergencies in Dental Office	7th	Mosby	2015	1	4378	1495
3	2016	Odell	Clinical Problems in DENTistry	3rd	Churchill	2010	1	4380	1525
4	2017	Hupp	Contemporary Oral&Max Surgery	6th	Elsevier	2014	2	4451	2295
5	2017	Hupp	Contemporary Oral&Max Surgery	6th	Elsevier	2014		4452	2295
6	2019	Bennett	Local ANeesthesia in General Practice&Pain Control	7th	CBS	1990	2	4634	595
7	2019	Bennett	Local ANeesthesia in General Practice&Pain Control	7th	CBS	1990		4635	595
8	2019	Borle	Textbook of Oral&Maxillofacial Surgery	Ist	Jaypee	2014	2	4650	1550
9	2019	Borle	Textbook of Oral&Maxillofacial Surgery	Ist	Jaypee	2014		4651	1550
10	2019	Bhallaji	Textbook of Oral&Maxillofacial Surgery	3rd	Elsevier	2018	2	4660	1395

11	2019	Bhallaji	Textbook of Oral&Maxillofacial Surgery	3rd	Elsevier	2018		4661	1395
12	2021	Neelima Malik	Textbook of Oral&Maxillofacial Surgery	5th	Jaypee	2021	2	4724	1795
13	2021	Neelima Malik	Textbook of Oral&Maxillofacial Surgery	5th	Jaypee	2021		4725	1795
14	2021	Malamed	Handbook of Local Aneasthesia	7th	Elsevier	2020	2	4768	1455
15	2021	Malamed	Handbook of Local Aneasthesia	7th	Elsevier	2020		4769	1455
									2624

Total

Amount Rs.26244/-

Orthodontics- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Pub Year	Copies	Acc.No.	Cost
1	2016	Gowri Shankar	Textbook of Orthodontics	2nd	Paras	2016	1	4381	1295
2	2016	Nanda	Esthetics&Bio mechanics in Orthodontics	2nd	Elsevier	2015	1	4400	3825
3	2016	Proffit	Contemporary Orthodontics	5th	elsevier	2013	1	4440	2445
4	2016	Orton	Functional Appliances in Orthodontics	Ist	Quint	1990	1	4402	6100
5	2017	Sridhar Prem Kumar	Textbook of Orthodontics	2nd	Elsevier	2015	1	4448	1175
6	2017	Graber Vanasdoll	Orthodontics Current Principles & Techniques	5th	Elsevier	2012	1	4453	4845
7	2017	Lee	Application of Orthodontic Mini Implant	Ist	Quint	2007	1	4454	11978
8	2017	Phullari	Orthodontics Principles&Practice	2nd	Jaypee	2017	2	4456	0
9	2017	Scuzo	Orthodontic Set up	Ist	Quint	2014	1	4497	3729
10	2018	Nanda	Biomechanics in Ortho Principles&Practice	Ist	Quint	2010	1	4529	2430
11	2018	Graber Vanasdoll	Orthodontics Current Principles &	Ist Ind	Elsevier	2017		4531	3900

			Techniques						
12	2018	Graber Vanasdoll	Orthodontics Current Principles & Techniques	Ist	Elsevier	2017		4532	3900
13	2019	Profitt	Contemporary Treatment of Dentofacial Deformities	Ist	Mosby	2008	1	4530	2125
14	2019	Bhallaji	Art&Science of Orthodontics	7th	Arya	2018	4	4560	735
15	2019	Bhallaji	Art&Science of Orthodontics	7th	Arya	2018		4561	735
16	2021	Nanda	Biomechanics in Ortho Principles&Pra ctice	Ist	Quint	2010	1	4762	1500
17	2021	Nanda	Biomechanics in Ortho Principles&Pra ctice	Ist	Quint	2010	1	4763	1500
18	2021	Bhallaji	Art&Science of Orthodontics	7th	Arya	2018		4572	735
19	2021	Bhallaji	Art&Science of Orthodontics	7th	Arya	2018		4573	735
20	2021	Kharbanda	Orth.Diag.Mgn t of Dentofacial Deformities	3rd	Elsevier	2020	2	4778	3095
20	2021	Kharbanda	Orth.Diag.Mgn t of Dentofacial	3rd	Elsevier	2020		4779	3095

			Deformities						
									58977

Amount-56677/-

Total

PATHOLOGY

Sr. No .	Year of Purchasing	Author	Title	Ed.	Publisher	Pub.Year	Copies	Acc.No .	Co
1	2016	Harshmohan	Essential of Pathology for Dental Students	5th	Jaypee	2017	6	4406	0
2	2016	Mandal	Text book of Pathologyfor BDS	1st	Arya	2015	1	4408	0
3	2018	Harshmohan	Ess.of Pathology for Dental Students	5th	Jaypee	2017		4456	750
4	2018	Harshmohan	Practical Harshmohan	5th	Jaypee	2017		4457	0
5	2018	Harshmohan	Ess.of Pathology for Dental Students	5th	Jaypee	2017		4458	750
6	2018	Harshmohan	Practical Harshmohan	5th	Jaypee	2017		4459	0
7	2021	Harshmohan	Ess.of Pathology for Dental Students	5th	Jaypee	2017		4719	0
8	2021	Harshmohan	Practical Harshmohan	5th	Jaypee	2017	1	4719	0
9	2021	Kumar	Basic Pathology	Ist Ind	Elsevier	2017	1	4720	160
									310

Total Amount-3107/-

Pedodontics- Books added Year 2016 to 2021

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Amount Rs.10988/-

Total

Periodontics- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Pub. Year	Copies	Acc.No	Cost
1	2016	Nield	Fundamental Periodontic Instruments & Advance Root	7th	Wolter	2013	1	4357	7776
2	2016	Clerehugh	Periodontics at A Glance	1st	Wiley	2013	1	4358	4170
3	2016	Lindhe	Clinical Periodontology & Implantology Vol.1	6th	Wiley	2015	2	4359	
4	2016	Lindhe	Clinical Periodontology & Implantology Vol.1I	6th	Wiley	2015	2	4360	
5	2016	Lindhe	Clinical Periodontology & Implantology Vol.1	6th	Wiley	2015		4361	
6	2016	Lindhe	Clinical Periodontology & Implantology Vol.1I	6th	Wiley	2015		4362	28280
7	2016	Taiwar	Manual of Undergraduate for Periodontology	1st	Jaypee	2016	1	4375	295
8	2017	Newman	Clinical Periodontology	12th	Elsevier	2015	1	4447	2195
9	2018	Reddy	Ess.of Clinical Period.&Periodontics	3rd	Jaypee	2018	2	4565	767
10	2018	Reddy	Manual of Clinical Periodontology	3rd	Jaypee	2018		4566	
11	2019	Kalsi	Periodontology	1st	Medtech	2019	1	4627	0

12	2019	Newman	Clinical Periodontology	3 rd IND	Elsevier	2019	2	4687	1820
13	2019	Newman	Clinical Periodontology	3rd	Elsevier	2019		4688	1820
14	2021	Wilson	Fundamental of Periodontics	2nd	quint	2014	1	4764	1000
									48123

Total

Amount Rs.48123/-

Pharmacology:- Books added Year 2016 to 2021

Sr. No	Year of Purchasing	Author	Title	Ed.	Publisher	Pub Year	Copies	Acc.No.	Cost
1	2016	Satoskar	Pharmacology&Pharmatheapeutics	24th	Elsevier	2015	1	4376	925
2	2017	Tripathi	Ess.of Pharmacolgyfor dental students	3rd	Jaypee	2016	3	4510	560
3	2017	Tripathi	Ess.of Pharmacolgyfor dental students	3rd	Jaypee	2016		4512	560
4	2017	Tripathi	Ess.of Pharmacolgyfor dental students	3rd	Jaypee	2016		4455	0
5	2018	Shanbag	Pharmacology for Dentistry	3rd	Elsevier	20`7	1	4572	557
6	2021	Tripathi	Ess.of Pharmacolgyfor dental students	4th	Jaypee	2021	3	4709	0
7	2021	Tripathi	Ess.of Pharmacolgyfor dental students	4th	Jaypee	2021		4735	895
8	2021	Tripathi	Ess.of Pharmacolgyfor dental students	4th	Jaypee	2021		4736	895
9	2021		CIMS			Oct-Dec2020	2	4774	320
10	2021		CIMS			Oct-Dec2020		4775	320
									5032/-

Total Amount-

5032/-

Physiology- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Pub Year	Copies	Acc.No.	Cost
1	2016	Jain	Manual of Practical Physiology	3rd	Arya	2013	2	4410	0
2	2016	Jain	Human Physiology for BDS	5th	Arya	2014	1	4411	0
3	2017	Sembuligum	Ess.of Physiology for dental students	2nd	Health Sc.	2016	3	4488	770
4	2017	Sembuligum	Ess.of Physiology for dental students	2nd	Health Sc.	2016		4489	770
5	2017	Sembuligum	Ess.of Physiology for dental students	2nd	Health Sc.	2016		4490	770
6	2018	Jain	Textbook of Physiology Vol.1	5th	APC	2013	1	4573	0
7	2018	Jain	Textbook of Physiology Vol.1	5th	APC	2013	1	4574	0
8	2018	Khurana	Medical Physiology for Undergraduate	2nd	Elsevier	2018	1	4575	0
9	2019	Jain	Manual of Practical Physiology	3rd	Arya	2013		4669	0
10	2021	Jain	Human Physiology for BDS	6th	Arya	2017	2	4729	895
11	2021	Jain	Human Physiology for BDS	6th	Arya	2014		4730	895
									4100/-

Total

Amount-4100/-

Prosthodontics- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed .	Publisher	Pub. Year	Copies	Acc.No .	Cost
1	2016	Naylor	Intro.to Metal Ceramic Technology	2nd	Quint	2009	1	4401	6928
2	2017	Carr	MCcracken Removable Partial Denture	13th	Elsevier	2016	1	4445	1245
3	2017	Rangarajan	Textbook of Prosthodontics	1st	Elsevier	2013	1	4446	1225
4	2017	Rossenstiel	Contemporary Prosthodontics	5th	Elsevier	2016	1	4562	2475
5	2017	Preti	Prosthetic Rehabilitation Part I	1st	Quint	2008	1	4494	3578
6	2017	Preti	Prosthetic Rehabilitation Technical procedures PtII	1st	Quint	2008	1	4495	7772
7	2017	Pasetto	Precision in Dental Practice	1st	Quint	2007	1	4496	8636
8	2017	Searson	Implantology in General Practice	1st	Quint	2015	1	4499	1086
9	2017	Shillenber g	Fundamental of Tooth Preparation	1st	Quint	2008	1	4502	1123
10	2017	Fischer	Esthetic & Prosthetic	1st	Quint	1998	1	4503	3038
11	2017	Hidaka	Solution for Dental Esthetic	1st	Quint	2007	1	4504	3062
12	2017	Kano	Challenging Wax up Techniques	1st	Quint		1	4505	10990
13	2017	Rangaraja	Textbook of	2nd	Elsevier	2017	3	4514	940

		n	Prosthodontics	d					
14	2017	Nallaswamy	Textbook of Prosthodontics	2nd	Jaypee	2017	1	4520	1125
15	2017	ZArb	Prosthodontic Treatment of Edentulous Patients	13th	Elsevier	2017	2	4521	1000
16	2017	ZArb	Prosthodontic Treatment of Edentulous Patients	13th	Elsevier	2017		4523	1000
17	2019	Rangarajan	Textbook of Prosthodontics	2nd	Elsevier	2017		4640	1420
18	2019	Rangarajan	Textbook of Prosthodontics	2nd	Elsevier	2017		4641	1420
19	2021	Resnik	Contemporary Implant Dentistry	4th	Mosby	2020	1	4751	3692
20	2021	Shillenbergs	Fundamental of Fixed Prosthodontics	4th	Quint	2017	4	4752	1000
21	2021	Shillenbergs	Fundamental of Fixed Prosthodontics	4th	Quint	2017		4753	1000
22	2021	Shillenbergs	Fundamental of Fixed Prosthodontics	4th	Quint	2017		4754	1000
23	2021	Shillenbergs	Fundamental of Fixed Prosthodontics	4th	Quint	2017		4755	1000
24	2021	Pheonix	Stewart Removable Partial Denture	4th	Quint	2017	4	4758	1000
25	2021	Pheonix	Stewart Removable Partial Denture	4th	Quint	2017		4759	1000
26	2021	Pheonix	Stewart Removable Partial Denture	4th	Quint	2017		4760	1000
27	2021	Pheonix	Stewart Removable Partial Denture	4th	Quint	2017		4761	1000
									69756

Total

Amount-69756/-

Public Health Dentistry- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Publication Year	Copies	Acc.No.	Cost
1	2016	Park	Textbook of Preventive & Social Medicine	23rd	Banarsi	2015	1	4382	1100
2	2016	Mahajan	Essential of PCMS	Ist	Saurabh	2011	1	4383	265
3	2017	Soben Peter	Ess.of Public Health Dentistry	6th	Arya	2017	2	4516	540
4	2017	Soben Peter	Ess. Of Public Health Dentistry	6th	Arya	2017		4517	540
5	2018	Marya	A Practical Manual of Public Health Dentistry	Ist	Jaypee	2012	6	4646	0
6	2019	Marya	A Practical Manual of Public Health Dentistry	2nd	Jaypee	2019		4646	550
7	2019	Marya	A Practical Manual of Public Health Dentistry	2nd	Jaypee	2019		4646	550
8	2019	Marya	A Practical Manual of Public Health Dentistry	2nd	Jaypee	2019		4646	550
9	2019	Marya	A Practical Manual of Public Health Dentistry	2nd	Jaypee	2019		4646	550
10	2019	Marya	A Practical Manual of Public Health Dentistry	2nd	Jaypee	2019		4646	550
									5195

Total

Amount-Rs.5195/-

Surgery- Books added Year 2016 to 2021

Sr. No	Year of purchasing	Author	Title	Ed.	Publisher	Publication Year	Copies	Acc.No.	Cost
1	2017	Jarrell	Surgery	2nd	Wilkins	1991	1	4470	0
2	2017	Mcdonald	Handbook of Surgery	2nd	Kothari	1963	1	4471	0
3	2017	Bruce	Surgery	2nd	Harwall	1997	1	4478	0
4	2018	Shenoy	Manipal Manual of Surgery for Dental Students	3rd	CBS	2014	2	4518	470
5	2018	Dowell	Surgical Intensive Care Medicine	2nd	Springer	2013	1	4539	0
6	2018	Shenoy	Manipal Manual of Surgery for Dental Students	3rd	CBS	2014		4567	487
7	2018	Marwah	Tb of Sugery for dental students	ist	Jaypee	2014	2	4654	895
8	2018	Marwah	Tb of Sugery for dental students	ist	Jaypee	2014		4655	895
9	2021	Dass	Manual of Clinical Surgery	14th	dass	2019	2	4739	1084
10	2021	Dass	Manual of Clinical Surgery	14th	dass	2019		4740	1084
11	2021	Dass	A Concise Text book of Surgery	10th	Dass	2018	1	4744	1021
									5466/-

Total Amount-5466/-

Online journals 2021-2022

Oral Pathology - 34

ORAL PATHOLOGY

Acta Odontológica Venezolana

Published By: [Central University Of Venezuela](#)

Bibliography Records: FT Start: 1997 to FT End: 2020

ORAL PATHOLOGY

Advances in Oral Biology

Published By: [Elsevier Science](#)

ORAL PATHOLOGY

African Journal of Oral Health

Published By: [African Journals OnLine](#)

Bibliography Records: FT Start: 2016 to FT End: 2019

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Avances en Odontoestomatología

Published By: [Ediciones Avances, S.L.](#)

Bibliography Records: FT Start: 2008 to FT End: 2020

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BMC Oral Health

Published By: [BioMed Central Ltd](#)

Bibliography Records: FT Start: 2001 to FT End: 2022

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Brazilian Oral Research

Published By: [Sociedade Brasileira de Pesquisa Odontológica](#)

Bibliography Records: FT Start: 2004 to FT End: 2022

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Case Reports in Odontology

Published By: [Lasting Impressions Press](#)

Bibliography Records: FT Start: 2014 to FT End: 2021

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Published By: [Universidad CES](#)

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Critical Reviews in Oral Biology and Medicine

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Published By: [Istanbul University](#)

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Indian Journal of Pathology and Oncology

Published By: [Innovative Research Publication](#)

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International Journal of Oral and Maxillofacial Pathology

Published By: [Celesta Software private limited](#)

Bibliography Records: FT Start: 2010 to FT End: 2019

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INTERNATIONAL JOURNAL OF ORAL BIOLOGY

Published By: [Korean Academy of Oral Biology](#)

Bibliography Records: FT Start: 1980 to FT End: 2021

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International Journal of Oral Science

Published By: [Springer Nature](#)

Bibliography Records: FT Start: 2009 to FT End: 2022

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Journal of Advanced Oral Research

Published By: [International Society of Preventive and Community Dentistry](#)

Bibliography Records: FT Start: 2009 to FT End: 2016

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Journal of Applied Oral Science

Published By: [Faculdade de Odontologia de Bauru - USP](#)

Bibliography Records: FT Start: 2003 to FT End: 2022

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Published By: [Edorium Journals](#)

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Published By: [Indian Association of Forensic Odontology](#)

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Journal of Oral Biology

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Journal of Oral Diseases

Published By: [Hindawi Publishing Corporation](#)

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Journal of Oral Medicine, Oral Surgery, Oral Pathology and Oral Radiology

Published By: [Innovative Publication](#)

Bibliography Records: FT Start: 2015 to FT End: 2021

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Journal of Oral Microbiology

Published By: [Taylor and Francis Ltd](#)

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Journal of Oral Research

Published By: [John Wiley and Sons, Ltd](#)

Bibliography Records: FT Start: 2012 to FT End: 2021

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Journal of Oral Science

Published By: [Nihon University School of Dentistry](#)

Bibliography Records: FT Start: 1998 to FT End: 2022

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Medicina Oral, Patología Oral y Cirugía Bucal

Published By: [Sociedad Española de Medicina Oral](#)

Bibliography Records: FT Start: 2008 to FT End: 2022

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Molecular Microbiology

Published By: [John Wiley and Sons, Ltd](#)

Bibliography Records: FT Start: 1987 to FT End: 2022

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Oral and Maxillofacial Pathology Journal

Published By: [Kairali Society of Oral and Maxillofacial Pathologists](#)

Bibliography Records: FT Start: 2010 to FT End: 2022

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Published By: [Japanese Society of Oral Pathology](#)

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[Anatomy & Physiology: Current Research](#)

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[General Medicine: Open Access](#)

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[Research Journal of Pharmacology](#)

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[Academic Journal of Chemistry](#)

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[Advances in Bioinformatics](#)

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[Advances in Pharmacoepidemiology and Drug Safety](#)

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Austin Journal of Clinical Immunology

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Avicenna Journal of Medical Biotechnology

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CASE REPORTS IN GENETICS
Published By: [Hindawi Publishing Corporation](#)
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CBE—Life Sciences Education
Published By: [American Society for Cell Biology](#)
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BASIC DENTAL SCIENCE
CellBio
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BASIC DENTAL SCIENCE
ChemistryOpen
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BASIC DENTAL SCIENCE
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Published By: [Dove Medical Press Ltd](#)
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CPT: Pharmacometrics & Systems Pharmacology
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BASIC DENTAL SCIENCE
Cytogenetic and Genome Research
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Bibliography Records: FT Start: 1962 to FT End: 2021
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DATABASE: THE JOURNAL OF BIOLOGICAL DATABASES AND CURATION
Published By: [University of Oxford](#)
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HIV/AIDS - Research and Palliative Care

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[Human Microbiome Journal](#)
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Journal of Glycomics & Lipidomics

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OCT-21

Total No. of Questions – 6]
(2101)

[Total Pages : 4

6946

B.D.S. Final Year (Annual) Examination
PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer sheets for Part-A and Part-B.

PART-A

1. Define and classify Periodontal Pocket. Discuss in detail the clinical features and pathogenesis of periodontal pockets. Differentiate between Suprabony Pocket and Infrabony Pocket. (10)
2. Write short notes on : (5×3=15)
 - (a) Clinical significance of G.C.F.
 - (b) Clinical features of aggressive periodontitis.
 - (c) Differences between supragingival and subgingival calculus.

6946/500/777/200

[P.T.O.]

3. Multiple choice questions. Choose the best possible option.

- (i) The width of attached gingiva is least in
(a) Mandibular anterior region
(b) Mandibular canine region
(c) Maxillary anterior region
(d) Mandibular premolar region.
- (ii) Which of the following is not used for collecting gingival crevicular fluid?
(a) Micropipettes
(b) Absorbing paper strips
(c) Twisted threads
(d) Periochips.
- (iii) Which of the following is not a clinical feature of Necrotizing ulcerative periodontitis
(a) Pocket formation
(b) Spontaneous bleeding
(c) Pain
(d) Exposure of alveolar bone.
- (iv) In areas of Fenestration, the root is covered by
(a) Gingiva
(b) Periosteum
(c) Both of above
(d) None of above.
- (v) Predominant inflammatory cells in Stage-III gingivitis
(a) Neutrophil
(b) T-Lymphocytes
(c) B-Lymphocytes
(d) Plasma cells. (2×5=10)

PART-B

4. Discuss in detail the techniques to increase the width of attached gingive. (10)
5. Write short notes on :
(a) Cemento-enamel junction.
(b) Toothbrushing Techniques/Methods.
(c) Risk indicators for periodontal diseases. (5×3=15)
6. Multiple choice questions choose the best possible option.
(i) Which of the following bacteria does not invade the host tissue?
(a) T. denticola
(b) P. intermedia
(c) P. gingivalis
(d) F. nucleatum.
- (ii) After periodontal surgery the method of tooth brushing recommended is
(a) Charter's method
(b) Bass method
(c) Modified Stillman's method
(d) Scrub method.

- (iii) Guided Tissue regeneration is done in
- (a) Vestibuloplasty
 - (b) Frenectomy
 - (c) Flap surgery
 - (d) Gingivectomy.
- (iv) Clinical attachment loss in 3 mm gingival recession and 2 mm gingival sulcus is
- (a) 2 mm
 - (b) 3 mm
 - (c) 4 mm
 - (d) 5 mm.
- (v) Cementum is thickest in which part of the root?
- (a) Coronal 1/3rd
 - (b) Middle 1/3rd
 - (c) Apical 1/3rd
 - (d) Same all over the root surface. (2×5=10)
-

JUN-21

Total No. of Questions – 6]
(2031)

[Total Pages : 4

6562

B.D.S. Final Year (Suppl.) Examination
PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer sheets for Part-A and Part-B.

PART-A

1. Define Gingiva. Discuss co-relation of it's microscopic and clinical features. (10)
2. Write short notes on :
 - (a) Management of Acute Necrotizing ulcerative gingivitis.
 - (b) Classification of Periodontal Pocket.
 - (c) Principal fibres of periodontal ligament. (3×5=15)

6562/300/777/906

[P.T.O.]

3. Multiple Choice questions. Choose the best possible option.

- (i) The thickness of Periodontal ligament is maximum in :
- (a) Teeth with heavy function
 - (b) Teeth with light function
 - (c) Teeth with no function
 - (d) The third molar.
- (ii) The antibacterial action of saliva is performed by :
- (a) IgA antibody
 - (b) Lysosomes
 - (c) Lactoperoxidase
 - (d) All the above.
- (iii) The normal depth of the gingival crevice in an adult does not exceed :
- (a) 0.5 mm - 1 mm
 - (b) 1 mm - 2 mm
 - (c) 1 mm - 3 mm
 - (d) 2 mm - 3 mm.
- (iv) Gingival fluid does not perform on the following function :
- (a) Contains plasma proteins which may improve adhesion of epithelium to the tooth
 - (b) Possess anti microbial properties
 - (c) Exerts antibody activity in defense of gingiva
 - (d) Provides nutrition to functional epithelium.

(v) The term gingival ablation indicates :

- (a) Gingival recession due to faulty tooth brushing
- (b) Gingival recession accentuated by prominent roots
- (c) Gingival recession due to friction from hard foods
- (d) Gingival recession due to friction from soft tissues.

(2×5=10)

PART-B

4. Describe in detail the Bone loss and patterns of bone destruction in periodontal disease. (10)

5. Write short notes on :

- (a) Effects of periodontal disease on pregnancy outcomes.
- (b) Clinical risk assessment.
- (c) Gingival fibres.

(3×5=15)

6. Multiple Choice questions. Choose the best possible option.

- (i) Most periodontal fibres are activated when resisting
- (a) Torquing forces
 - (b) Horizontal forces
 - (c) Vertical forces
 - (d) Sliding forces.
- (ii) The amount of saliva secreted in a day is
- (a) 1.5 litres
 - (b) 2.5 litres
 - (c) 3.5 litres
 - (d) 4.5 litres.

- (iii) Which of the following is used for root conditioning?
- (a) Citric acid
 - (b) Metronidazole
 - (c) Hydrogen peroxide
 - (d) None of the above.
- (iv) The flap reflected using only horizontal incisions and no vertical incision is known as
- (a) Envelope Flap
 - (b) Displace Flap
 - (c) Undisplaced Flap
 - (d) Papilla Preservation Flap.
- (v) Which of the following can differentiate to macrophages?
- (a) Neutrophils
 - (b) Basophils
 - (c) Eosinophils
 - (d) Monocytes.
- (2×5=10)
-

JAN-21

Total No. of Questions - 6]
(2090)

[Total Pages : 4

6383

B.D.S. Final Year (Annual) Examination
PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer sheets for Part-A and Part-B.

PART-A

1. Define Periodontal Pocket. Give its classification in detail and describe the histopathology of periodontal pocket. 10
2. Write short notes on :
 - (a) Difference between supragingival and subgingival calculus.
 - (b) Clinical significance of attached gingiva.
 - (c) Pericoronitis. (3×5=15)

6383/500/777/42

[P.T.O.]

3. Multiple choice questions. Choose the best possible option.

(i) The principal cell type of periodontal ligament is

- (a) Fibroblast
- (b) Osteoblast
- (c) Epithelial cell rests of Malassez
- (d) Cementoblasts.

(ii) In periodontitis, pain localized because of presence of

- (a) Free nerve endings
- (b) End bulb of Krause
- (c) Pacinian corpuscles
- (d) Meissner's corpuscles.

(iii) Bacterial plaque can effectively induce bone loss (Radius of action) is about

- (a) 1 mm
- (b) 1.5 mm – 2.5 mm
- (c) 3 mm – 5 mm
- (d) 6 mm – 8 mm.

(iv) Plasma cells are present in which stage of gingivitis

- (a) Stage I
- (b) Stage II
- (c) Stage III
- (d) Stage IV.

(v) Normally, the distance between the functional epithelium and alveolar bone

- (a) Increases with age
- (b) Decreases with age
- (c) Remains same
- (d) Increases in periodontal disease.

(2×5=10)

PART-B

4. Discuss the impact of Periodontal infection on systemic health.

10

5. Write short notes on :

- (a) Microbial complexes of dental plaque.
- (b) Classification of flap.
- (c) Management of gingival bleeding.

(5×3=15)

6. Multiple choice questions. Choose the best possible option.

(i) Osteoblasts covering the periodontal surface of the alveolar bone constitute a

- (a) Modified periosteum
- (b) Modified endosteum
- (c) Periosteum
- (d) Endosteum.

- (ii) Which of the following is Acellular ?
- (a) Reduced enamel epithelium
 - (b) Sulcular epithelium
 - (c) Junctional epithelium
 - (d) Dental cuticle.
- (iii) The mixture of bone dust and blood is known as
- (a) Bone blend
 - (b) Bone swaging
 - (c) Osseous coagulum
 - (d) Bone chip.
- (iv) Instrument of choice for removing deep subgingival calculus is
- (a) Sickle scaler
 - (b) Universal scales
 - (c) Currette
 - (d) Chisel.
- (v) Average thickness of cementum is
- (a) 215 μm
 - (b) 95 μm
 - (c) 35 μm
 - (d) 400 μm .
- (2×5=10)
-

FEB-20

Total No. of Questions – 6]
(2020)

[Total Pages : 4

6037

B.D.S. Final Year (New Regulation)

(Suppl.) Examination

PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer-sheets for Part-A and Part-B.

PART-A

1. Classify gingival enlargements. Write in detail, signs, symptoms, pathogenesis and treatment of phenytoin induced gingival enlargement. (10)

2. Write short notes on the following :

(a) Principle fibres of periodontal ligament.

(b) Methods of collection of Gingival crevicular fluid.

(c) Periodontal Abscess.

(5×3=15)

6037/300/777/857

[P.T.O.]

3. Multiple choice questions. Choose the best possible option:

(i) Which layer is missing in the para-keratinized epithelia?

- (a) S. Corneum
- (b) S. Granulosum
- (c) S. Spinosum
- (d) S. Basal.

(ii) UNC-15 probe has a colour coding at

- (a) 4 and 6 mm
- (b) 5, 7 and 12 mm
- (c) 3, 6, and 8 mm
- (d) 5, 10 and 15 mm.

(iii) Which inter dental aid is used in Type-II embrasure?

- (a) Dental Floss
- (b) Unitufted Brush
- (c) Interproximal Brush
- (d) All the above.

(iv) Maintenance phase should start after :

- (a) Phase-I
- (b) Preliminary phase
- (c) Phase-II
- (d) Phase-III.

(v) Chlorhexidine is used for local drug delivery as :

- (a) Actisite
- (b) Perio chip
- (c) Periodine
- (d) None of the above.

(2×5=10)

PART-B

4. Discuss the etiopathogenesis of chronic periodontitis in detail.

(10)

5. Write short notes on the following :

- (a) Microbial complexes of plaque.
- (b) Classification of Furcation involvement.
- (c) Periodontal management of hypertensive patient.

(5×3=15)

6. Multiple choice questions. Choose the best possible option.

(i) Width of attached gingiva is least in

- (a) 1st premolar
- (b) Central incisor
- (c) Lateral incisor
- (d) 1st Molar.

- (ii) Pre-requisite for plaque formation is
- (a) Pellicle
 - (b) Glycoproteins
 - (c) Muco-polysaccharides
 - (d) Dextran.
- (iii) The difference in colour of supra and subgingival calculus is related to :
- (a) pH of plaque
 - (b) Death of leukocytes
 - (c) Hemolysis of erythrocytes
 - (d) All the above.
- (iv) The following affects the prognosis of individual tooth:
- (a) Short root, long crowns
 - (b) Long root, short crowns
 - (c) Apical pearls
 - (d) Root concavities.
- (v) Fibronectin is used in periodontal therapy as
- (a) Growth factor
 - (b) Bone graft
 - (c) Root surface biomodification
 - (d) GTR Membrane. (2×5=10)

FEB-19

Total No. of Questions - 6]
(2029)

[Total Pages : 4

7461

**B.D.S. Final Year (New Regulation)
Supplementary Examination
PERIODONTOLOGY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Attempt Part-A and Part-B in separate answer sheet.

PART-A

1. Enumerate the Principles of Periodontal Surgery. Describe the Modified Widman Flap Procedure. 10
2. Write short notes on the following :
 - (a) Treatment of ANUG.
 - (b) Bone grafts.
 - (c) Functions of periodontal ligament. (5×3=15)

7461/400/777/14

[P.T.O.]

3. Multiple choice questions :
Choose the best possible option

- (i) Extensive pus formation in deep periodontal pocket signifies.
- (a) Poor prognosis
 - (b) Rapid destruction of bone
 - (c) Slow destruction of bone.
 - (d) Nature of inflammatory changes in the pocket wall.
- (ii) Reinforcement of thinned bony trabeculae to compensate for lost bone is called
- (a) Undermining
 - (b) Stabilising
 - (c) Buttressing
 - (d) Balancing.
- (iii) Which of the following fibres form the largest group of periodontal ligament fibres ?
- (a) Trans-septal fibres
 - (b) Alveolar crest fibres
 - (c) Horizontal group
 - (d) Oblique group.
- (iv) Source of mineral salts for the mineralization of supra gingival calculus is
- (a) Saliva
 - (b) Serum

- (c) GCF
- (d) Blood.

- (v) Which of the following type of neural transmission in the periodontal ligament carries pain sensation ?
- (a) Free nerve endings
 - (b) Ruffini like receptors
 - (c) Meissner's corpuscles
 - (d) Spindle like receptors.
- (2×5=10)

PART-B

4. Discuss in detail the role of smoking in the etiology of periodontal disease. 10
5. Write short notes on the following :
- (a) Radiographic findings in TFO.
 - (b) Treatment of gingival enlargement in pregnancy.
 - (c) Free sub-epithelial connective tissue graft. (5×3=15)
6. Multiple choice questions :
- Choose the best possible option :
- (i) Biofilms, in general have
 - (a) Crystalline structure
 - (b) Stereoline structure
 - (c) Organized structure
 - (d) Disorganized structure.

- (ii) Factors responsible for pregnancy gingivitis is
- (a) Hormonal imbalance
 - (b) Plaque macro-organisms
 - (c) Poor oral hygiene
 - (d) Drugs.
- (iii) Prognosis is
- (a) Most likely cause of disease
 - (b) Least likely cause of disease
 - (c) Estimation of likely course of disease
 - (d) None of the above.
- (iv) Which of the following has a two point contact with tooth ?
- (a) Hoe
 - (b) Sickle
 - (c) Curette
 - (d) Cumine scales.
- (v) This distance between implant and adjacent tooth should be atleast
- (a) 7 mm
 - (b) 1.5 mm
 - (c) 3 mm
 - (d) 3.75 mm.
- (2×5=10)
-

Aug-19

Total No. of Questions – 6]
(2089)

[Total Pages : 4

7816

B.D.S. Final Year (Annual) Examination
PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer-sheets for Part-A and Part-B.

PART-A

1. Define Dental Calculus. Discuss its Composition, classification and theories of mineralization. (10)
2. Write short notes on : (5×3=15)
 - (a) Classification of Trauma from Occlusion.
 - (b) Pathogenesis of Periodontal Pocket formation.
 - (c) Diabetes as risk factor for Periodontal disease.

7816/500/777/104

[P.T.O.]

3. Multiple Choice questions. Choose the best possible option:

- (i) What is the length of Junctional epithelium?
- (a) 0.25-1.35 mm.
 - (b) 0.50-2 mm.
 - (c) 2-3 mm.
 - (d) 0.2-1 mm.
- (ii) Consistency of subgingival calculus is
- (a) Clay-like
 - (b) Flint-like
 - (c) Brick-like
 - (d) Soft.
- (iii) The periodontal ligament is
- (a) Thinner on mesial root
 - (b) Thinner on distal root
 - (c) Same in thickness, distally and mesially
 - (d) Thicker on mesial surface.
- (iv) Most common etiology for gingivitis is
- (a) Plaque
 - (b) Calculus
 - (c) Tooth brush trauma
 - (d) Abrasive powder.
- (v) Subclinical gingivitis occurs in
- (a) Initial lesion
 - (b) Early lesion
 - (c) Established lesion
 - (d) Advanced lesion.
- (2×5=10)

PART-B

4. Discuss various Flap designs and Principles of Periodontal surgery. (10)
5. Write short notes on : (5×3=15)
- (a) Plaque control measures.
 - (b) Desquamative conditions of gingiva.
 - (c) Dental Implants.
6. Multiple Choice questions. Choose the best possible option.
- (i) Stratification specific keratins in gingival epithelium are :
- (a) K1, K2
 - (b) K10, K12
 - (c) K16, K6
 - (d) K5, K14.
- (ii) Which of the following complexes of micro-organisms is associated with bleeding on probing?
- (a) Red complex
 - (b) Orange complex
 - (c) Green complex
 - (d) Yellow complex.

(iii) Incidence of gingivitis in pregnancy is

- (a) 10-20%
- (b) 20-30%
- (c) 40-50%
- (d) 50-100%.

(iv) The pattern of vibration of magnetostrictive type of ultra-sonic scaler is

- (a) Elliptical
- (b) Linear
- (c) Back and Forth
- (d) None of the above.

(v) The Sixth complication of Diabetes Mellitus is

- (a) Retinopathy
- (b) Renal failure
- (c) Ischemic Heart disease
- (d) Periodontitis.

(2×5=10)

FEB -18

Total No. of Questions – 6]
(2028)

[Total Pages : 4

6908

B.D.S. Final Year (New Regulation) Suppl. Examination
PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer sheets for Part-A and Part-B.

PART-A

1. Define gingiva. Discuss the macroscopic and microscopic appearance of gingiva. 10
2. Write short notes on the following :
 - (a) Dentinal Hypersensitivity.
 - (b) Trauma from Occlusion.
 - (c) Defence mechanisms of gingiva. (5×3=15)

6908/400/777/14

[P.T.O.]

3. Multiple Choice Questions :

Choose the best possible option

- (i) Cellular elements in periodontal ligament include
 - (a) Connective tissue cells
 - (b) Epithelial cell rests
 - (c) Neuro vascular cells
 - (d) All the above.
- (ii) The principle cell type of the gingival epithelium are
 - (a) Keratinocytes
 - (b) Langerhan's cells
 - (c) Merkel cells
 - (d) Clear cells.
- (iii) Disclosing solutions are used for
 - (a) Detection of initial proximal caries
 - (b) Detection of Dental Plaque
 - (c) Detection of gingival inflammation
 - (d) All the above.
- (iv) The prepondent cellular element in the gingival connective tissue is
 - (a) Adipose cells
 - (b) Osteoblast
 - (c) Fibroblast
 - (d) Histiocyte.
- (v) The biologic width of human gingiva is
 - (a) 0.97 mm
 - (b) 0.69 mm
 - (c) 1.07 mm
 - (d) 2.04 mm.

(2×5=10)

PART-B

4. Define Plaque Control. Describe in detail various techniques to achieve good Plaque Control.

10

5. Write short notes on the following :

- (a) The Periodontal Treatment Plan.
- (b) Pericoronitis.
- (c) Periodontal Splint.

(5×3=15)

6. Multiple choice questions. Choose the best possible option

- (i) Feature of ageing periodontium is
 - (a) Lacunae in bone and cementum
 - (b) Increased cell size
 - (c) Increase in cell number
 - (d) Scalloping of cementum valveolar bone surface.
- (ii) Which of the following fibre groups are NOT attached to alveolar bone ?
 - (a) Transpetal
 - (b) Oblique
 - (c) Horizontal
 - (d) Dento-periosteal.
- (iii) Gingival enlargement in pregnancy is termed as
 - (a) Periodontal abscess
 - (b) Angiogranuloma
 - (c) Gingival abscess
 - (d) Periapical abscess.

(iv) Folic acid deficiency is precipitated by

- (a) Aspirin
- (b) Ranitidine
- (c) Cyclosporin
- (d) Phenytoin.

(v) If pocket depth 5 mm and gingival recession is 3 mm, then total CAL is

- (a) 8 mm
- (b) 3 mm
- (c) 5 mm
- (d) 2 mm.

(2×5=10)

Aug-18

Total No. of Questions – 6]
(2088)

[Total Pages : 4

7231

B.D.S. Final Year (New Regulation)

Annual Examination

PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer-sheets for Part-A and Part-B.

PART-A

1. Enumerate the stages of Gingivitis. Describe the clinical and Microscopic features of each stage. Add a note on treatment of gingivitis. 10
2. Write short notes on the following :
 - (a) Junctional Epithelium.
 - (b) Gingival Curettage.
 - (c) Subgingival Calculus. (5×3=15)

7231/500/777/100

[P.T.O.]

3. Multiple choice questions.

Choose the best possible option :

- (i) Plasma cell gingivitis involves
 - (a) Marginal gingiva only
 - (b) Marginal and attached gingiva
 - (c) Alveolar mucosa only
 - (d) Marginal gingiva and alveolar mucosa.
- (ii) Marked degeneration or necrosis of which of the following impairs or retards pocket formation
 - (a) Oral Epithelium
 - (b) Sulcular Epithelium
 - (c) Junctional Epithelium
 - (d) Pocket Epithelium.
- (iii) Embrasures with no gingival recession are adequately cleaned by using
 - (a) Inter dental brush
 - (b) Uni tufted brush
 - (c) Soft tooth brush
 - (d) Dental Floss.
- (iv) The instrument of choice for removing deep subgingival calculus is
 - (a) Curette
 - (b) Sickle scaler
 - (c) Chisel
 - (d) Hoe.

- (v) Bone adjacent to Periodontal ligament that contains a great number of Sharpey's Fibres is called
 - (a) Basal bone
 - (b) Spongy bone
 - (c) Bundle bone
 - (d) Cortical bone. (2×5=10)

PART-B

- 4. Classify Endo-Periolesion. Write the differential diagnosis of Periapical and periodontal abscess. Briefly discuss the treatment of a combined Endo Perio Lesion. 10
- 5. Write short notes on the following :
 - (a) Classification of Furcation Involvement.
 - (b) Plaque Microbiology.
 - (c) Role of Chlorhexidine in Periodontology. (5×3=15)
- 6. Multiple choice questions.
Choose the best possible option :
 - (i) Pre-requisite for plaque formation is
 - (a) Pellicle
 - (b) Glycoproteins
 - (c) Micro-polysaccharides
 - (d) Dextran.

- (ii) Leukemic gingivitis resembles
- (a) ANUG
 - (b) Thrombocytopenic purpura
 - (c) Herpetic gingivo stomatitis
 - (d) Pemprigus.
- (iii) Resorption of thick bony margins resulting in plateaue formation is called
- (a) Crater
 - (b) Ledge
 - (c) Lipping
 - (d) TFO.
- (iv) Tight graph by operator on the explorer will
- (a) Prevent Tactile sensation
 - (b) Provide greater maneuvresability
 - (c) Prevent muscle fatigue
 - (d) Prevent rolling of instrument
- (v) Ostectomy is indicated in
- (a) Gingival enlargements
 - (b) Correction of Tori
 - (c) Reverse architecture bone defects
 - (d) Correction of bony ledges. (2×5=10)

AUG-17

Total No. of Questions – 6]
(2087)

[Total Pages : 4

6705

B.D.S. Final Year (New Regulation)

Annual Examination

PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer-sheets for Part-A and Part-B.

PART-A

1. Define and classify Periodontal Pocket. Describe the pathogenesis and histopathology of Periodontal Pocket.

10

2. Write short notes on the following :

- (a) Significance of Plaque Biofilm.
- (b) Acellular *versus* Cellular cementum.
- (c) Biological width.

(5×3=15)

6705/500/777/49

[P.T.O.]

3. Multiple choice questions.

Choose the best possible option.

- (i) Dentogingival unit is
 - (a) Sulcular epithelium and gingival fibres
 - (b) Junctional epithelium and gingival fibres
 - (c) Sulcular epithelium and periodontal fibres
 - (d) Junctional epithelium and periodontal fibres.
- (ii) Transeptal fibre extend
 - (a) Obliquely from cementum just beneath the junctional epithelium to alveolar crest.
 - (b) From cementum in coronal direction obliquely to the bone
 - (c) From cementum to cementum in the furcation area of multirooted teeth
 - (d) Interproximally over the alveolar crest and embedded in the cementum of adjacent teeth.
- (iii) Which of the following is *not* the function of gingival epithelium ?
 - (a) Mechanical barrier
 - (b) Signalling function
 - (c) Microbial barrier
 - (d) Shock absorption.
- (iv) The organic matrix of bone consists of
 - (a) Non-collagenous proteins
 - (b) Collagen Type-I
 - (c) Collagen Type-III
 - (d) Bone morphogenetic protein.

- (v) With age, gingival connective tissue becomes
 - (a) Less in mechanical strength
 - (b) Decreased in denaturing temperature
 - (c) Coarses and denser
 - (d) None of the above.

(2×5=10)

PART-B

- 4. Classify Gingival enlargements. Enumerate the drugs that cause gingival enlargements. Describe in detail the clinical features of drug induced gingival enlargement. 10
- 5. Write short notes on the following :
 - (a) Oral Malodor.
 - (b) Dentifrices.
 - (c) Classification of Furcation involvement. (5×3=15)
- 6. Multiple choice questions.
Choose the best possible option.
 - (i) Blood supply to gingiva is by
 - (a) Supra periosteal vessels
 - (b) Sub-periosteal vessels
 - (c) Apical vessels
 - (d) All the above.
 - (ii) Which of the following is formed first, after tooth brushing ?
 - (a) Materia alba
 - (b) Plaque
 - (c) Pellicle
 - (d) Calculus.

- (iii) The bacterial enzyme detected in gingival crevicular fluid is
- (a) Fibronectin
 - (b) Cytokines
 - (c) Phospholipase
 - (d) Myelo peroxidase.
- (iv) Common radiographic finding in clinical gingivitis is
- (a) Vertical bone loss
 - (b) Normal bone pattern
 - (c) Horizontal bone loss
 - (d) Increased bone density.
- (v) First radiographic sign of periodontitis is
- (a) Wedge-shaped radiolucency
 - (b) Loss of crestal bone
 - (c) Horizontal bone loss
 - (d) Loss of Lamina dura.
- (2×5=10)

Aug-16

Total No. of Questions – 6] [Total Pages : 4
(2086)

6174

B.D.S. Final Year (New Regulation)

Annual Examination

PERIODONTOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Use separate answer-sheets for Part-A and Part-B.

PART-A

1. Describe in detail the various stages of gingivitis with special emphasis on histology. 10
2. Write short notes on the following :
 - (a) Infra-bony defects
 - (b) Scalers *versus* Curettes
 - (c) Root conditioning agents. 5×3=15

6174/500/777/14

[P.T.O.]

3. Multiple Choice Questions

Choose the best possible option :

- (i) What type of fibres are principle fibres of periodontal ligament ?
 - (a) Elastic
 - (b) Reticular
 - (c) Collagenous
 - (d) Collagenous and Elastic
- (ii) Common sign of TFO is
 - (a) Tooth mobility
 - (b) Periodontal abscess
 - (c) Pocket formation
 - (d) None the above
- (iii) Periodontal surgery may result in
 - (a) Bone regeneration
 - (b) Pocket elimination
 - (c) Stabilization of teeth
 - (d) All of the above.
- (iv) Suprabony pockets are also known as
 - (a) Intra-bony
 - (b) Intra-alveolar
 - (c) Sub-crestal
 - (d) Supra-crestal.

- (v) Pyogenic granuloma

- (a) Bleeds on touch
- (b) Soft in consistency
- (c) Painful
- (d) All the above.

2×5=10

PART-B

- 4. Write in detail about the advanced diagnostic techniques used in periodontology. 10
- 5. Write short notes on the following : 5×3=15
 - (a) Periodontal abscess *versus* Peri-apical abscess.
 - (b) Occlusal equilibration.
 - (c) Incisions in Modified Widman Flap surgery.

6. Multiple Choice Questions

6. Choose the best possible option :

- (i) Gingival abcess involves
 - (a) Marginal gingiva
 - (b) Attached gingiva
 - (c) Interdental gingiva
 - (d) Marginal and interdental gingiva.

- (ii) Gingivitis appears in radiographs as
- (a) Loss of alveolar bone
 - (b) Pocket formation
 - (c) Thickening of bone
 - (d) No observed changes
- (iii) Bio-active glass is
- (a) Isograft
 - (b) Xenograft
 - (c) Allograft
 - (d) Alloplast
- (iv) Predominant microbes in NUG are
- (a) Vibrio
 - (b) Streptococci
 - (c) Fusio-spirochetal
 - (d) Fusobacterium.
- (v) Furcation is measured by
- (a) Naber's Probe
 - (b) Miller's Probe
 - (c) WHO Probe
 - (d) CPITN Probe.
- 2x5=10

Total No. of Questions - 6]
(2020)

FEB-16

Total Pages : 2

7232 ✓

B.D.S. Final Year Suppl. Examination
PERIODONTICS & ORAL MEDICINE
(Oral Diagnosis)

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) Use separate Answer-books for Part-A & Part-B.
(ii) All questions are to be attempted.
(iii) All parts of a question to be attempted together.

PART-A

1. ✓ Classify Periodontitis. Discuss in detail the etiology, pathogenesis, clinical features and management of Chronic periodontitis. 11
2. Discuss briefly :
 - (a) Radiological features of Trauma from occlusion. 6
 - (b) Guided tissue regeneration. 6

7232/400/GGG/124

[P.T.O.]

3. Write short notes on the following :
- (a) Interdental cleansing aids. 4
 - (b) Modes of attachment of calculus. 4
 - (c) Desquamative gingivitis. 4

PART-B

4. Classify Periodontal instruments and discuss the principles of instrumentation. 11
5. Discuss in brief :
- (a) Phase I therapy. 6
 - (b) Relationship between Diagnosis & Prognosis. 6
6. Write short notes on the following :
- (a) Tooth mobility. 4
 - (b) Difference between New attachment and Epithelial adaptation. 4
 - (c) Root planing. 4

PART-B

4. Discuss the treatment plan for a patient suffering from Chronic periodontitis. 11
5. (a) Classify Periodontal instruments. Discuss the uses of diagnostic instrument. 6
(b) Discuss the use of Antimicrobials in Periodontal therapy. 6
6. Write short notes on the followig :
(a) Wasting diseases of Teeth.
(b) Difference between Biologic depth, Probing depth and Level of attachment.
(c) Interdental cleansing aids. 4×3=12

Feb-17

Total No. of Questions - 6]
(2128)

Total Pages : 2

6811 ✓

BDS IVth Year (Suppl.) Examination
PERIODONTICS & ORAL MEDICINE
(Oral Diagnosis)

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) Use separate answer book for Part-A and Part-B.
(ii) All questions are to be attempted.
(iii) All parts of a question to be attempted together.

PART-A

1. ✓ Discuss the theories of Calculus formation and its mode of attachment. 11

2. Describe briefly :

- (a) Tooth hypersensitivity and its treatment.
(b) Radiographic changes in Periodontitis. 6×2=12

3. Write short notes on the following :

- (a) Pregnancy gingivitis.
(b) Pericoronitis.
(c) Gingival recession. 4×3=12

6811/400/GGG/197

[P.T.O.]

OCT-21

Total No. of Questions – 6]
(2101)

[Total Pages : 4

6943

B.D.S. Final Year (Annual) Examination
PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. What is the role of overdenture therapy in oral rehabilitation?
Discuss in detail rationale and principle behind root supported overdenture. (10)
2. Write short notes on the following :
 - (a) Rest Position of Mandible.
 - (b) Occlusal schemes in Complete Denture.
 - (c) Single Complete Denture.
 - (d) Bennett Movement. (5×4=20)

3. Multiple choice questions :

(1×5=5)

- (i) Bennett movement of mandible is related to
 - (a) Condylar rotation
 - (b) Lateral bodily movement
 - (c) Protrusive movement
 - (d) Edge to edge relation.
- (ii) Important factor that aids in stability of complete denture is
 - (a) Occlusion
 - (b) Extension of denture bases
 - (c) Polishing of denture
 - (d) None of the above.
- (iii) Interarch distance measured when occlusal rims are in uniform contact is
 - (a) Free way space
 - (b) Vertical dimension at rest
 - (c) Vertical dimension at occlusion
 - (d) Christensen space.
- (iv) Which is disadvantage of immediate complete denture?
 - (a) Impossibility to anterior try in
 - (b) Trauma to extraction site
 - (c) Increased Residual Ridge resorption
 - (d) Increased chances of infection in extraction site.
- (v) Burning Sensation of interior palate of patient wearing new complete denture is due to
 - (a) Rough anterior palatal surface
 - (b) Overextension of labial sulcus
 - (c) Occlusal discrepancy
 - (d) Inadequate relief to incisive papilla.

PART-B

- 4. Discuss in detail the requirements of ideal abutment for fixed partial denture. (10)
- 5. Write short notes on : (5×4=20)
 - (a) Denture sore mouth
 - (b) Gingival retraction
 - (c) Differentiate between circumferential clasp and bar clasp
 - (d) Articulators.
- 6. MCQ's : (1×5=5)
 - (i) Most common cause of failure of abutment is
 - (a) Caries
 - (b) Periodontitis
 - (c) Fracture
 - (d) Periapical lesions.
 - (ii) Pontic making a T shape contact with tissue is
 - (a) Ridge lap
 - (b) Modified ridge lap
 - (c) Ovate
 - (d) Spheroidal.
 - (iii) Kennedy classification most suitable for an internal attachment is
 - (a) Class I
 - (b) Class II
 - (c) Class III
 - (d) Class IV.

(iv) Shape of cingulum rest in maxillary canine

- (a) Spoon
- (b) V Shape
- (c) Inverted V Shape
- (d) Box Shape.

(v) Disadvantage of metallic denture base

- (a) Increase weight
 - (b) Retain plaque
 - (c) Difficult to relieve
 - (d) Difficult to clean.
-

JUN-21

Total No. of Questions – 6]
(2031)

[Total Pages : 4

6559

B.D.S. Final Year (Suppl.) Examination
PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Jaw relation? Explain in detail Centric relation.
(10×1=10)
2. Write short note on the following :
 - (a) Chriestensen's phenomenon.
 - (b) Balanced occlusion.
 - (c) S.P.A. concept.
 - (d) Denture stomatitis.(5×4=20)

6559/300/777/903

[P.T.O.]

3. Multiple Choice Question :

- (i) The anatomic landmark between the external oblique ridge and residual ridge is
- (a) Mylohyoid ridge
 - (b) Buccal shelf area
 - (c) Retromylohyoid space
 - (d) Retromolar papilla.
- (ii) The main denture bearing area of edentulous mandible and maxilla respectively is
- (a) 14 cm² and 24 cm²
 - (b) 24 cm² and 14 cm²
 - (c) 14 mm² and 24 mm²
 - (d) 24 mm² and 14 mm².
- (iii) The following property of saliva effects denture retention
- (a) A quality and quantity of serous and mucous saliva
 - (b) Quantity of mixed saliva
 - (c) Quantity of only serous saliva
 - (d) None of the above.
- (iv) A chronically illfitting denture may cause an inflammatory fibrous hyperplasia adjacent to its borders. This condition is known as
- (a) Stomatitis nicotina
 - (b) Epulis fissuratum
 - (c) Inflammatory papillary hyperplasia
 - (d) Verucous vulgaris.

- (v) An important factor that aids in stability of complete denture is
- (a) Harmonious occlusion
 - (b) Proper extension of denture base
 - (c) Both (a) and (b)
 - (d) None of the above. (5×1=15)

PART-B

4. Define direct retainers. Describe different types of clasps along with their indications in detail. (10×1=10)
5. Write short notes on the following :
- (a) Factors affecting retention in fixed prosthodontics
 - (b) Resin bonded prosthesis.
 - (c) Surveyor.
 - (d) Design consideration for Kennedy Class 1 partially edentulous situation. (5×4=20)
6. Multiple Choise Questions :
- (i) Shape of occlusal rest is
- (a) Deeper and box shaped
 - (b) Shallow and saucer shaped
 - (c) Both (a) and (b)
 - (d) None of the above.

- (ii) Which of the following cements are not to be used to cement acrylic temporary crown
- (a) Zinc oxide eugenol
 - (b) Zinc phosphate
 - (c) Glass ionomer
 - (d) None of the above.
- (iii) Tooth not indicated for receiving any form of rest is
- (a) Molars
 - (b) Mandibular canine
 - (c) Premolars
 - (d) Maxillary lateral incisors.
- (iv) Reciprocal arm serves mainly to :
- (a) Give flexibility
 - (b) Give direct retention
 - (c) Counteract the forces of retentive arm
 - (d) Give support.
- (v) Ante's law provides and aid for
- (a) Selection of pontic
 - (b) Selection of connector
 - (c) Selection of retainer
 - (d) Selection of abutment. (5×1=5)
-

JAN-21

Total No. of Questions - 6]
(2090)

[Total Pages : 4

6380

B.D.S. Final Year (Annual) Examination
PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Enumerate Landmarks of maxillary and mandibular denture bearing area. Write a detailed note on posterior palatal seal area ? (10×1=10)
2. Write short notes on :
 - (a) Importance of medical history in complete denture treatment.
 - (b) Retention in complete denture.
 - (c) Lingualised occlusion concept.
 - (d) Overdentures. (5×4=20)

6380/500/777/39

[P.T.O.]

12-11-18

3. Multiple choice questions :

- (i) In an edentulous maxilla the direction of resorption of Alveolar ridge is :
- (a) Upward and Palatally
 - (b) Upward only
 - (c) Upward and facially
 - (d) Uniform in all directions.
- (ii) Balancing Ramp should be given :
- (a) In anatomic teeth setup
 - (b) In zero degree teeth setup with deep overbite
 - (c) In shallow condylar Guidance
 - (d) As a substitute for compensatory curves.
- (iii) Clinical Rest position of mandible is determined by :
- (a) When muscle show minimum electromyographic Activity
 - (b) When there is equilibrium of Elevator and depressor muscles supporting the mandible
 - (c) The condyles are in the most retruded position
 - (d) When mandible is in border excursion. (5×1=5)
- (iv) A patient with decreased V.D.O. will present :
- (a) Decreased inter occlusal distance when the mandible is in rest position
 - (b) Loss of interocclusal distance at rest position
 - (c) Excessive show of teeth
 - (d) Increased interocclusal distance when the mandible is in rest position.

- (v) Gap between the posterior teeth during mandibular protrusion is part of :
- (a) Function of immediate side shift
 - (b) Function of condylar rotation
 - (c) Function of condylar path inclines
 - (d) Unrelated to condylar guidance. (5×1=5)

PART-B

4. Methods and materials for post and core support in endodontically treated tooth ? (10×1=10)
5. Write short notes on :
- (a) Stress breaking principle
 - (b) Soft tissue management in fixed prosthodontics
 - (c) Methods of temporization
 - (d) Impression in cast partial dentures. (5×4=20)
6. Multiple choice questions :
- (i) A clasp must common used is :
- (a) Ring Clasp
 - (b) Back Action Clasp
 - (c) Aker's Clasp
 - (d) Embrasure Clasp.

- (ii) Extra retention in abutment teeth is obtained with :
- (a) Dovetail
 - (b) Slots, Pins and Grooves
 - (c) Outline Form
 - (d) Increasing tooth reduction.
- (iii) Shape of rest in canine is :
- (a) Full moon
 - (b) Half moon
 - (c) Half pear shaped
 - (d) None of the above.
- (iv) The amount of functional cusp reduction required for metal ceramic crown is :
- (a) 1 – 2.5 mm
 - (b) 1.5 – 2 mm
 - (c) 2 – 2.5 mm
 - (d) 1.85 – 2.10 mm
- (v) Dicor is :
- (a) Castable ceramic
 - (b) Metanite
 - (c) Vitallium
 - (d) Vita ceramic.
- (5×1=5)
-

FEB-20

Total No. of Questions – 6]
(2020)

[Total Pages : 4

6034

B.D.S. Final Year (New Regulation)

(Suppl.) Examination

PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define posterior palatal seal area. Discuss methods of recording PPSA and trouble shootings in that. (10)
2. Write short notes on the following :
 - (a) Indirect retainers.
 - (b) Pontic designs.
 - (c) Posterior tooth forms.
 - (d) Selective pressure Impression technique. (5×4=20)

6034/300/777/854

[P.T.O.]

3. Multiple choice questions :

- (i) What is ideal crown: root ratio which is used as abutment tooth?
- (a) 3 : 2
 - (b) 2 : 1
 - (c) 1 : 2
 - (d) 1 : 1.
- (ii) Fovea palatini is
- (a) Behind the vibrating line
 - (b) In front of the vibrating line
 - (c) In no relation to vibrating line
 - (d) On the vibrating line.
- (iii) Loss of vertical dimension in complete denture will cause the mandible
- (a) Mandible to move backward in relation to maxilla
 - (b) Mandible to move forward in relation to maxilla
 - (c) No change in position of the mandible in relation to the maxilla
 - (d) Mandible moves in eccentric position.
- (iv) All are methods of temporization in FDP *except*
- (a) Direct
 - (b) Indirect
 - (c) Indirect-Direct
 - (d) None of the above.

- (v) Primary stress bearing area in mandible is

- (a) Buccal shelf area
- (b) Vestibule
- (c) Crest of the ridge
- (d) Retromolar pad. (5×1=5)

PART-B

4. Discuss principles of tooth preparation in F.D.P. (10×1=10)
5. Write short notes on the following :
- (a) Rest and Rest Seats.
 - (b) Finish Lines used in Fixed Partial Dentures.
 - (c) Various techniques of provisionalisation in FPD.
 - (d) Applegate's Rules. (5×4=20)
6. Multiple Choice Questions :
- (i) Hydrophilic elastomeric impression material
- (a) Polysulfide
 - (b) Addition Silicone
 - (c) Condensation Silicone
 - (d) Polyether.

- (ii) Which of the following is not a mandibular major connector ?
- (a) Lingual Plate
 - (b) Lingual Bar
 - (c) Lingual Arch
 - (d) Labial Bar.
- (iii) In designing the occlusal rest seat the floor of the rest seat should be inclined towards the
- (a) Buccal Surface
 - (b) Centre of Tooth
 - (c) Lingual Surface
 - (d) Marginal Ridge.
- (iv) Gingival retraction is done by all of the following :
- (a) Aluminium Chloride
 - (b) Ferric Sulphate
 - (c) Aluminium Sulphate
 - (d) Aluminium Nitrate.
- (v) Impurities in Casting is removed by
- (a) Annealing
 - (b) Degassing
 - (c) Pickling
 - (d) Conditioning.
- (1×5=5)

Aug-19

Total No. of Questions – 6]
(2089)

[Total Pages : 4

7813

B.D.S. Final Year (Annual) Examination
PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Centric Relation. Discuss various methods to record the same. (10×1=10)
2. Write short notes on the same : (5×4=20)
 - (a) Hanau's Quint.
 - (b) Compensating Curves.
 - (c) SPA Factor.
 - (d) Relief Areas in Maxilla and Mandible.

7813/500/777/101

[P.T.O.]

3. Multiple Choice Questions :

(1×5=5)

- (i) Tenon and Mortise Connector is
- (a) Rigid Connector
 - (b) Major Connector
 - (c) Non-Rigid Connector
 - (d) Minor Connector.
- (ii) Hanau's Equation is
- (a) $L = 8/H + 12$
 - (b) $L = H/8 + 12$
 - (c) $L = 12/8 + H$
 - (d) $L = 12/H + 8$.
- (iii) Labial Major Connector is indicated when
- (a) There is diastema
 - (b) There is labial inclination of teeth
 - (c) There is lingual inclination of teeth
 - (d) Periodontally Weak teeth.
- (iv) Which pontic design is preferred in aesthetic zone?
- (a) Ovate
 - (b) Saddle Ridge Lap
 - (c) Conical
 - (d) Modified Ridge Lap.

(v) Dimensions of occlusal rest

- (a) 1/3 of Mesiodistal width & 1/2 of Buccolingual width
- (b) 1/2 of Mesiodistal width & 1/3 of Buccolingual width
- (c) 1/2 of Mesiodistal width & 1/2 of Buccolingual width
- (d) None of the above.

PART-B

4. Define Major Connector. Discuss in detail about various types of Maxillary Major Connector with relevant diagrams. (10×1=10)

5. Write short notes on the following : (5×4=20)

- (a) Surveying Tools.
- (b) Various sizes and uses of retraction cords in FPD.
- (c) Luting Cements.
- (d) Bar Clasp.

6. Multiple Choice Questions : (1×5=5)

- (i) Functional Cusp Bevel is placed at about to the long axis.
- (a) 60 degrees
 - (b) 90 degrees
 - (c) 30 degrees
 - (d) 45 degrees.

- (ii) What kind of pontic design is preferred for anterior teeth?
- (a) Sanitary
 - (b) Modified Ridge Lap
 - (c) Ovate
 - (d) Ridge Lap.
- (iii) Functional impressions of Class I partial edentulous arches may be made by
- (a) Hindel Method
 - (b) Fluid Wax Impression Method
 - (c) Reline Method
 - (d) All the above.
- (iv) Preferred margin location in maxillary anterior teeth
- (a) Supragingival
 - (b) Subgingival
 - (c) Equigingival
 - (d) All the above.
- (v) Finish line used in complete metal cast crown
- (a) Chamfer
 - (b) Chamfer with Bevel
 - (c) Shoulder
 - (d) Shoulder with Bevel.
-

FEB-19

Total No. of Questions - 6]
(2029)

[Total Pages : 5

7458

**B.D.S. Final Year (New Regulation)
Supplementary Examination
PROSTHODONTICS AND CROWN AND BRIDGE**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. What are the post insertion problems in a complete denture patient ? Discuss in detail the causes and remedies for the same. 10
2. Write short notes on the following :
 - (a) Anterior teeth selection for a complete denture patient.
 - (b) Alveolingual sulcus.
 - (c) Christensen's phenominon.
 - (d) Obturators. (5×4=20)

7458/400/777/11

[P.T.O.]

3. Multiple choice questions :

- (i) What is true about posterior palatal seal
- (a) It extends through the pterygomaxillary notch
 - (b) It extends medially from one tuberosity to the other
 - (c) It lies between the anterior and posterior vibrating lines
 - (d) All of the above.
- (ii) In a patient with flabby ridge, which impression technique is indicated ?
- (a) Mucostatic impression technique
 - (b) Mucocompressive impression technique
 - (c) Selective pressure impression technique
 - (d) All of the above.
- (iii) Before relining the dentures, which of the following should be checked ?
- (a) The vertical dimension of occlusion should be satisfactory
 - (b) Centric occlusion should coincide with centric relation
 - (c) Teeth arrangement should be satisfactory
 - (d) All of the above.

- (iv) The teeth arrangement should be done
- (a) In the neutral zone
 - (b) On the buccal shelf area
 - (c) Lingual to the residual ridge
 - (d) None of the above.
- (v) Which of the following is not a factor of balanced occlusion ?
- (a) Condylar guidance
 - (b) Incisal guidance
 - (c) Compensating curves
 - (d) Neutral zone. (5×1=5)

PART-B

4. Define pontics. What are different pontic designs. Discuss biologic, mechanical and esthetic considerations for successful pontic design. 10
5. Write short notes on the following :
- (a) RPI vs RPA.
 - (b) Altered cast technique.
 - (c) Interim fixed restoration.
 - (d) Define a finish line indications of sub-gingival finish line. (5×4=20)

6. Multiple choice questions :

- (i) Lingual plate is indicated in all *except*
- (a) Periodontal weakened teeth
 - (b) Anterior ridge resorption
 - (c) High lingual frenum
 - (d) Vestibule of more than 8 mm.
- (ii) Rigidity of RPO framework is highest with
- (a) Wrought gold alloy
 - (b) Cast gold alloy
 - (c) Chrome cobalt alloys
 - (d) Gold palladium.
- (iii) Which of the following pontic is not indicated for maxillary anterior region ?
- (a) Ridge lap
 - (b) Modified ridge lap
 - (c) Hygenic
 - (d) Ovate.
- (iv) Zinc polycarboxylate cement has which of the following advantages over zinc phosphate cement
- (a) Long working time
 - (b) Lower film thickness
 - (c) Increased compressive strength
 - (d) Superior biologic compatibility.

- (v) When the height and taper of the preparation are same, which of the following provides better resistance
- (a) Large diameter molar
 - (b) Small diameter molar
 - (c) Large diameter premolar
 - (d) Small diameter premolar.
- (5×1=5)
-

Aug-18

Total No. of Questions – 6]
(2088)

[Total Pages : 5

7228

B.D.S. Final Year (New Regulation)

Annual Examination

PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. What is balanced occlusion. Discuss in detail the factors of balanced occlusion for complete denture. 10
2. Write short notes on the following :
 - (a) Osseointegration.
 - (b) Posterior Palatal Seal.
 - (c) Consequences of increased and decreased vertical dimension in a complete denture patient.
 - (d) Immediate dentures. (5×4=20)

3. Multiple choice questions :

(i) Primary stress bearing area in the mandibular ridge is

- (a) Alveolingual sulcus
- (b) Retromolar pad
- (c) Buccal shelf area
- (d) None of the above.

(ii) Mean denture bearing area has been computed to be

- (a) 22.96 cm² in edentulous maxilla and 12.25 cm² in edentulous mandible
- (b) 12.25 cm² in edentulous maxilla and 10.05 cm² in edentulous mandible
- (c) 40 cm² in edentulous maxilla and 20 cm² in edentulous mandible
- (d) 30 cm² in edentulous maxilla and 20 cm² in edentulous mandible.

(iii) The labial surfaces of maxillary central incisors are usually

- (a) 3-4 mm in front of the centre of the incisive papilla
- (b) 13-14 mm in front of the centre of the incisive papilla
- (c) 8-10 mm in front of the centre of the incisive papilla
- (d) 1-2 mm in front of the centre of the incisive papilla.

(iv) Tooth supported overdenture is of advantage to the patient in

- (a) Preventing residual ridge resorption
- (b) Maintaining proprioception in the patient to some extent
- (c) Giving Psychological boost to the patient for having retained few teeth
- (d) All the above.

(v) Overextension in P.P.S. area results in

- (a) Difficulty in swallowing and pain while swallowing
- (b) Ulceration in the region of soft palate
- (c) Loss of retention in the maxillary denture
- (d) All the above. (1×5=5)

PART-B

4. What is a dental cast surveyor. Discuss the objectives and procedure of surveying. 10

5. Write short notes on the following :

- (a) Mechanical considerations in tooth preparation.
- (b) Methods of gingival retraction.
- (c) Factors affecting selection of abutments for FPD.
- (d) Attributes of a properly designed clasp. (5×4=20)

6. Multiple choice questions :

(i) Ferrule is

- (a) A rule governing gold inlay cavity preparation
- (b) A mechanical rapid tooth separator
- (c) An encircling band of metal that increases fracture resistance of the tooth
- (d) An electronic measuring device for determination of the length of tooth during RCT.

(ii) Post and core restoration is indicated for

- (a) Vital tooth with primary caries
- (b) Badly damaged non-vital endodontically treated tooth
- (c) Badly damaged vital teeth
- (d) Tooth with fractured incisal third.

(iii) The unit of FPD that attaches abutment to the suspended unit is

- (a) Connector
- (b) Abutment
- (c) Pontic
- (d) Retainer.

(iv) Reciprocal arm serves mainly to

- (a) To give flexibility
- (b) To give indirect retention
- (c) Counteract the forces of retentive arm
- (d) To give support.

(v) Mouth Preparation for removable cast partial denture include

- (a) Periodontal preparation only
- (b) Oral surgical preparation
- (c) Abutment tooth preparation only
- (d) All the above.

(5×1=5)

FEB-18

Total No. of Questions – 6]
(2028)

[Total Pages : 4

6905

B.D.S. Final Year (New Regulation)

Suppl. Examination

PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all question.

PART-A

1. Describe anterior and posterior tooth selection in a complete denture patient. (10)
2. Write short notes on the following :
 - (a) Hinge axis.
 - (b) Selective impression technique.
 - (c) Immediate denture.
 - (d) Methods of recording centric relation. (5×4=20)

6905/400/777/11

[P.T.O.]

3. Multiple choice questions.

(i) Which muscle has an indirect effect on the extent of impression in labial vestibule (maxilla) ?

- (a) Orbicularis Oris
- (b) Buccinator
- (c) Masseter
- (d) Levator Anguli Oris.

(ii) Ferrule effect helps to

- (a) Prevent vertical fracture of root
- (b) Stabilization of care
- (c) Prevent horizontal fracture of root
- (d) Stress distribution on abutment.

(iii) Tissue stop for distal extension denture base is made by removing.....mm of relief wax.

- (a) 2 mm
- (b) 3 mm
- (c) 2 sq mm
- (d) 3 sq mm.

(iv) Altered cast technique is used in

- (a) Class III
- (b) Class II
- (c) Class III mod 2
- (d) Class IV.

(v) One of the major disadvantage to immediate denture treatment is

- (a) Pain associated with treatment
- (b) Difficulty in managing occlusion
- (c) Need for reline
- (d) No control over tooth placement and shape.

(1×5=5)

PART-B

4. Discuss in detail tooth preparation for all ceramic crown on maxillary central incisor. (10)

5. Write short notes on the following :

- (a) Parameters which governs post selection.
- (b) Indirect retainers in FPD.
- (c) Pier abutment.
- (d) Implant indications.

(5×4=20)

6. Multiple choice questions.

(i) True bite tooth indicator is used for determining

- (a) Length of tooth
- (b) Width of tooth
- (c) Thickness of tooth
- (d) Form of tooth.

(ii) Amount of occlusal reduction required for metal ceramic facing on non-functional cusp

(a) 0.5-1 mm

(b) 1-1.5 mm

(c) 1.5-2 mm

(d) 2-2.5 mm.

(iii) Ring clasp is used for

(a) Kennedy Class I

(b) Always with supporting start

(c) On tilted molars

(d) Both (b) and (c).

(iv) Gingival retraction is done by all of the following *except*.

(a) Aluminium chloride

(b) Aluminium sulphate

(c) Ferric sulphate

(d) Aluminium nitrate.

(v) Denture is tight when inserted and becomes loose during usage due to

(a) Increased VD

(b) Insufficient horizontal overlap

(c) Error in occlusion

(d) Decreased VD.

(1×5=5)

FEB-17

Total No. of Questions – 6]
(2027)

[Total Pages : 4

6347

B.D.S. Final Year (New Regulation) Suppl. Examination
PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Vertical law relation and discuss various methods to record it in complete denture patients. 10
2. Write short notes on the following :
 - (a) Occlusal scheme in complete denture patients.
 - (b) Neutral zone.
 - (c) Retention.
 - (d) Posterior palatal seal. (5×4=20)

6347/400/777/11

[P.T.O.]

3. Multiple Choice questions.

(1×5=5)

Choose the correct answer :

- (i) Typical S-appearance of lingual flange of mandibular denture is due to the action of :
- (a) Genioglossus muscle
 - (b) Masseteric muscle
 - (c) Superior constrictor muscle
 - (d) Mylohyoid muscle.
- (ii) During relining of complete denture (maxillary) all of the following surfaces are reduced *except* :
- (a) Large undercuts
 - (b) Tissue surface
 - (c) Borders
 - (d) Posterior extension.
- (iii) In alginate impression, trisodium phosphate is the :
- (a) Accelerator
 - (b) Retarder
 - (c) Filler
 - (d) Coloring agent.
- (iv) Minimum time for bench cooling before deflasking is :
- (a) One hour
 - (b) Two hours
 - (c) Three hours
 - (d) Four hours.

- (v) What is the maximum pressure force recommended during trial closure :

- (a) 1500 PSI
- (b) 2000 PSI
- (c) 2500 PSI
- (d) 3500 PSI.

PART-B

4. Write in detail impression procedures for removable partial denture. 10

5. Write short notes on the following :

- (a) Functionally generated path technique
- (b) Resin bonded bridges
- (c) Pontic
- (d) Pier abutment.

(5×4=20)

6. Multiple Choice questions.

(1×5=5)

Choose the correct answer :

- (i) Which type of implant enhances bone growth :
- (a) Stainless steel
 - (b) Co-Cr
 - (c) Titanium
 - (d) Metal implant coated with hydroxy apatite.

- (ii) Most destructive to Periodontium is :
- (a) Vertical forces
 - (b) Oblique forces
 - (c) Horizontal forces
 - (d) None of the above.
- (iii) Resin bonded bridges are fabricated from :
- (a) Co-Cr alloys
 - (b) Ni-Cr alloys
 - (c) Palladium alloys
 - (d) Silver-gold alloys.
- (iv) Cast restorations are made by :
- (a) Lost wax technique
 - (b) Molten gold technique
 - (c) Inlay-investment technique
 - (d) Casting technique.
- (v) Walls of a full crown preparation should have :
- (a) $2^{\circ} - 5^{\circ}$ convergence towards cervical
 - (b) $2^{\circ} - 5^{\circ}$ convergence towards occlusal
 - (c) $5^{\circ} - 8^{\circ}$ convergence towards cervical
 - (d) $5^{\circ} - 8^{\circ}$ convergence towards occlusal.
-

Aug-17

Total No. of Questions – 6]
(2087)

[Total Pages : 4

6702

B.D.S. Final Year (New Regulation)

Annual Examination

PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Complete denture impressions. Describe a technique of making corrective impression of maxillary edentulous arch, and elaborate the basic philosophy involved in such procedure. 10

2. Write short notes on the following :

- (a) Hanau's quint.
- (b) Face bow.
- (c) Epulis fissuratum.
- (d) Implant supported overdenture. (5×4=20)

6702/500/777/47

[P.T.O.]

3. Multiple choice questions.

- (i) Non-pressure technique of impression making was introduced by
- (a) Page
 - (b) Boucher
 - (c) Carole Jones
 - (d) Hall.
- (ii) Porcelain Jacket crowns are contraindicated in
- (a) Hypoplastic teeth
 - (b) Excessive horizontal overlap
 - (c) Extensive decay with vital pulp
 - (d) Excessive vertical overlap with little horizontal overlap.
- (iii) Wrought metal in cast RPD is used for
- (a) Retentive arm
 - (b) Reciprocal arm
 - (c) Major connector
 - (d) Shoulder.
- (iv) Cavo-surface margin configuration approaching 180° for crown preparation
- (a) Knife edge
 - (b) Margin Chamfer
 - (c) Shoulder
 - (d) Shoulder with bevel.
- (v) In RPD impression technique used with occlusal load applied on impression tray is
- (a) Physiologic impression
 - (b) Selected impression technique
 - (c) Fluid wax technique
 - (d) Altered cast technique. (1×5=5)

PART-B

4. Enumerate components of a fixed dental prosthesis. Discuss connector in detail. 10
5. Write short notes on the following :
- (a) Combination syndrome.
 - (b) Stress breakers in RPD.
 - (c) Materials used for dental implants.
 - (d) Marginal integrity in FPD. (5×4=20)
6. Multiple choice questions.
- (i) The length of proximal guide plane is of the enamel crown portion of tooth from marginal ridge cervically.
- (a) 1/3
 - (b) 2/3
 - (c) 1/2
 - (d) 3/4.
- (ii) "Lost salt technique" is used to fabricate
- (a) Maryland bridge
 - (b) Rochette bridge
 - (c) Cantilever bridge
 - (d) Virginia bridge.
- (iii) Main ingredients of denture cleaning powder is
- (a) Hydrogen peroxide
 - (b) Detergents
 - (c) Sodium perborates
 - (d) Alkaline compounds.

(iv) Minimum number of implants used for mandibular implants supported is

- (a) 4
- (b) 2
- (c) 6
- (d) 5.

(v) Hinge axis is located with the help of

- (a) Ear rods
- (b) Gothic arch tracers
- (c) Kinematic face bow
- (d) Orbital pointer.

(1×5=5)

FEB-16

Total No. of Questions – 6]
(2026)

[Total Pages : 4

7861

B.D.S. Final Year (New Regulation)

Supplementary Examination

PROSTHODONTICS AND CROWN AND BRIDGE

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Discuss the principles of retention and stability in complete denture construction. 10
2. Write short notes on the following :
 - (a) Posterior palatal seal.
 - (b) Balanced occlusion.
 - (c) Dentogenic concept.
 - (d) Implant denture. (5×4=20)

7861/400/777/40

[P.T.O.]

3. Multiple Choice Questions.

Choose the correct answer :

- (i) Free way space is defined as
 - (a) Vertical dimension at rest - Vertical dimension at occlusion
 - (b) Vertical dimension at occlusion + Vertical dimension at rest
 - (c) Vertical dimension at rest
 - (d) Vertical dimension at occlusion - Vertical dimension at rest.
- (ii) Articulators are :
 - (a) Duplicate Jaw movement
 - (b) Simulate Jaw movement
 - (c) Have Condylar movement
 - (d) Reproduce the benet movement.
- (iii) Main disadvantage of single complete denture against natural tooth is :
 - (a) Abrasion of artificial teeth
 - (b) Difficulty in making balanced occlusion
 - (c) Abrasion of natural tooth
 - (d) All the above.
- (iv) Burning sensation in anterior palate of a patient wearing new complete denture may be due to
 - (a) Overextension in the labial sulcus area
 - (b) Occlusal discrepancies
 - (c) Inadequate relief of incisive papillae
 - (d) Rough palatal surface.

- (v) Mandibular complete denture should cover retromolar pad because

- (a) More surface area gives better retention
- (b) Provide border seal
- (c) Resist movement of denture base
- (d) All the above.

(1×5=5)

PART-B

4. Define abutment in FPD. Write in detail about abutment selection and treatment options for each type. 10

5. Write short notes on the following :

- (a) Stress breaker.
- (b) Metal ceramic versus All ceramic.
- (c) Impression techniques in RPD.
- (d) Permanent luting cements.

(5×4=20)

6. Multiple Choice Questions.

Choose the correct answer :

- (i) To replace the missing canine best Pontic design is
 - (a) Modified ridge lap
 - (b) Trupontic
 - (c) Sanitary
 - (d) Ridge lap.

- (ii) RPI stands for
- (a) Occlusal rest, Proximal Plate, I-Bar
 - (b) Cingulum rest, Proximal Plate, I-Bar
 - (c) Rest, Proximal Plate, I-Bar
 - (d) Rest, Proximal Plate, Indirect Retainer.
- (iii) Minimum occlusal clearance on centric cusp for cast metal is
- (a) 0.5 mm
 - (b) 1 mm
 - (c) 1.5 mm
 - (d) 2 mm.
- (iv) Sprue in wax pattern should be placed
- (a) At right angle
 - (b) At acute angle
 - (c) At obtuse angle
 - (d) Depends on type of wax pattern.
- (v) Biologically and mechanically acceptable solder joint of FPD is
- (a) Thin occlusogingivally and wide facio-lingually
 - (b) Extends to the entire interproximal space occlusogingivally
 - (c) It is circular in form and occupies the region of contact area
 - (d) It extends into the facial margins of retainer.

(1×5=5)

FE-15

Total No. of Questions - 6]
(2025)

[Total Pages : 5

7390

**B.D.S. Final Year (New Regulation)
Annual Examination**

**PROSTHODONTICS INCLUDING
CROWN & BRIDGE**

(Part-A & B)

Time : Three Hours]

[Max. Marks : 70

Note: The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: Attempt all questions.

PART - A

1. Define centric relation. What are the various methods of recording horizontal Jaw relations? 10
2. Write short notes on: 5×4=20
 - a) Phonetics as related to complete dentures.
 - b) Gagging
 - c) Bennet movement
 - d) Combination Syndrome

3. Multiple choice Questions Write the correct Answer:

1×5=5

- (i) In the treatment plan of conventional immediate denture, anterior teeth are extracted :
- a) At first appointment
 - b) Before making immediate dentures
 - c) After extracting posterior teeth
 - d) After making immediate dentures.
- (ii) When designing RPD for Kennedy's II-arch, class configuration usually employed is :
- a) Unilateral
 - b) Tripod
 - c) Bilateral
 - d) Quadrilateral
- (iii) The finish line used in complete metal cast row is :
- a) Chamfer
 - b) Chamfer with bevel
 - c) Feather edge
 - d) Shoulder

(2)

7390

(iv) For a loose complete denture relining & rebasing is done in which condition :

- a) Excessive alveolar bone loss
- b) When centric relation & centric occlusion donot coincide.
- c) Patient is poor & cannot afford new denture.
- d) More than 2mm loss of alveolar bone height.

(v) Intra-enamel depth preparation in porcelain laminate veneer is:

- a) 0.5mm
- b) 0.75mm
- c) 1mm
- d) 2mm

PART - B

4. Describe various parts of a fixed partial denture. Discuss in detail the connectors used in fixed partial denture.

10

5×4=20

5. Write short notes on:

- a) Implant materials
- b) Stress breakers in RPD
- c) Splints
- d) Obturator

(3)

P.T.O.

6. Multiple choice Questions. Write the correct answer:
1×5=5

- (i) To transfer true hinge axis we require :
- a) Arbitrary face bow
 - b) Kinematic face bow
 - c) Interocclusal record
 - d) Gothic arch tracing.
- (ii) Lingual bar connector is:
- a) 4- guage, Moon shaped
 - b) 4-guage, half Pear shaped
 - c) 6-guage, half Pear shaped
 - d) 4-guage Oval shaped
- (iii) Functional Cusp bevel is given for:
- a) Marginal integrity
 - b) Structural durability
 - c) Retention & Resistance form
 - d) To improve Geometry of tooth surface

(4)

7390 / 400

- (iv) In a patient of complete denture on pronouncing "f" the incisal edges are in which relation to lip:
- a) Wide apart with gap
 - b) In light contact with lower lip
 - c) In tight contact with lower lip
 - d) None of the above
- (v) Patient with complete denture complaints of pain while swallowing & there is Overextension in distolingual aspect. The muscle involved is :
- a) Superior constrictor
 - b) Palatopharyngeous
 - c) Palatoglossus
 - d) Stylopharyngens.

—x—

(5)

7390 / 400

OCT-21

Total No. of Questions – 8]
(2101)

[Total Pages : 3

6950

B.D.S. Final Year (Annual) Examination

PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions. Attempt Part-A and Part-B in separate answer-sheets. Draw neat and well labelled diagram wherever required.

PART-A

1. Define Epidemiology. Classify various epidemiological studies. Describe in detail about Cohort Study. (1+2+5=8)
2. Write briefly about the history of fluorides in Dentistry. Classify Topical fluorides and write in details about Knutson Technique. (2+6=8)

6950/500/777/204

[P.T.O.]

3. Write short notes on :

- (a) Delta Dental Plan.
- (b) Sampling Techniques.
- (c) Dental Hygienist.

(5×3=15)

4. Fill in the blanks :

- (a) Census is conducted every years.
- (b) is known as Father of Epidemiology.
- (c) Vital layer is associated with Sand filter.
- (d) In which country the concept of school dental nurse was started

(1×4=4)

PART-B

5. Define Planning. Describe in detail various steps of planning a program for a community.

(1+7=8)

6. Define Health education. Explain various principles of Health Education.

(1+7=8)

7. Write short notes on :

- (a) Primary Health Care.
- (b) Measures of Central tendency.
- (c) World Health Organization.

(5×3=15)

8. Fill in the blanks :

- (a) Gingival Index was given by
- (b) Discarded medicines and cytotoxic drugs falls under category of Bio medical waste.
- (c) Most common cause of generalized attrition is
- (d) Use of Pit and Fissure is which type of prevention of dental caries (1×4=4)

JUN -21

Total No. of Questions – 8]
(2031)

[Total Pages : 3

6566

B.D.S. Final Year (Supplementary) Examination
PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/ continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Epidemiology. Write down the difference between Case Control and Cohort Study. (1+7=8)
2. Define Health Education. What are the principles of health education and describe them in detail. (1+7=8)

6566/300/777/910

[P.T.O.]

12-140L

3. Write short notes on the following :

- (a) Iceburg phenomenon of Disease.
- (b) Measures of Central tendency
- (c) Consent and its type.

(5×3=15)

4. Fill in the blanks:

- (a) World Health Day is celebrated on
- (b) "Waste Sharpe" falls under category of biomedical waste in India.
- (c) is the first dental college in India.
- (d) Concept of Primary health care was first established in

(1×4=4)

PART-B

5. Define Survey. Describe in details various steps in the conduction of survey. (1+7=8)

6. Define Index. What are ideal requisites of an Index. Describe in detail about C.P.I. Index. (1+2+5=8)

7. Write short notes on the following :

- (a) Community water fluoridation.
- (b) Principles of Ethics.
- (c) Prevention of Oral Cancer.

(5×3=15)

3N-31

8. Fill in the blanks :

- (a) Gingival index was given by
 - (b) Vital layer is associated with
 - (c) Concept of School dental nurse was first adopted in which country
 - (d) UNICEF stands for (1×4=4)
-

JAN-21

Total No. of Questions - 8]
(2090)

[Total Pages : 2

6387

B.D.S. Final Year (Annual) Examination
PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Primary Health Care. Write briefly about elements of Primary Health Care. Describe in details about Principles of Primary Health Care. (1+3+4=8)
2. Define Dental Auxiliary. Classify them and describe in details about each of them. (1+7=8)
3. Write short note on :
 - (a) Ideal requisite of an Index.
 - (b) Normal Distribution Curve.
 - (c) Prevention of Oral Cancer. (5×3=15)

[P.T.O.]

6387/500/777/46

18-11-15

4. Fill in the blanks

- (a) Oral Hygiene day is celebrated on
- (b) The Dentist Act of India was passed in the year
- (c) WHO head office is situated in
- (d) DMFT Index was given by (1×4=4)

PART-B

5. Define Plaque control. Describe in detail about various methods of Mechanical and Chemical Plaque Control. (1+7=8)

6. Define Prevention. What are different levels of Prevention? Describe in details about ART. (1+2+5=8)

7. Write short note on :

- (a) Measures of dispersion.
- (b) Rapid sand Filter.
- (c) Delta Dental Plan. (5×3=15)

8. Fill in the blanks :

- (a) Founder of Red Cross was.....
 - (b) C.LD. of fluoride is
 - (c) Plaque index was given by
 - (d) Father of Dentistry in India is (1×4=4)
-

FEB-20

Total No. of Questions – 8]
(2020)

[Total Pages : 2

6041

**B.D.S. Final Year (New Regulation)
(Suppl.) Examination
PUBLIC HEALTH DENTISTRY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Epidemiology. Write in detail about case control study. (1+7=8)
2. Define Health Education. Describe in details about various principles of health education. (1+7=8)
3. Write short notes on :
 - (a) Sampling techniques.
 - (b) Measures of Central tendency.
 - (c) Incremental dental care. (5×3=15)

6041/300/777/861

[P.T.O.]

4. Fill in the blanks :

- (a) Dentist's day is celebrated on
- (b) Social engineering phase of public health was from the year to
- (c) Nalgonda Technique is associated with
- (d) Vital layer is associated with

(1×4=4)

PART-B

5. Define Index. Write in detail about CPITN Index.

(1+7=8)

6. Define Prevention. What are different levels of Prevention?
Describe in details about ART.

(1+2+5=8)

7. Write short notes on :

- (a) Pit and fissure sealants.
- (b) Primary Health Centre.
- (c) Steps of planning in public health dentistry.

(5×3=15)

8. Fill in the blanks :

- (a) World Bank is special agency of
- (b) Dental floss is used in which type of embrasure
- (c) Head office of I.D.A. is situated in
- (d) Deficiency of Vitamin C causes

(1×4=4)

AUG-19

Total No. of Questions – 8]
(2089)

[Total Pages : 2

7820

B.D.S. Final Year (Annual) Examination
PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Health. Write in detail about various determinants of Health. (1+7=8)
2. Define Potable water. What are different methods of water purification at large scale? Describe in detail about rapid sand filter. (1+2+5=8)
3. Write short note on : (5×3=15)
 - (i) Randomized control trial.
 - (ii) Role of Vitamins in oral health.
 - (iii) Measures of dispersion.

- PT-BJA
4. Fill in the blanks : (1×4=4)
- (a) The father of epidemiology is
 - (b) W.H.O. was formed in the year
 - (c) is the other name of normal distribution curve.
 - (d) ppm of fluoride is present in Muhler's solution.

PART-B

5. Classify fluorides. Describe in detail about Knutson's solution. (2+6=8)
6. Define Survey. Describe in details various steps in the conduction of survey. (1+7=8)
7. Write short Note on : (5×3=15)
- (i) Levels of Prevention.
 - (ii) School Dental Nurse.
 - (iii) Pit and fissure sealants.
8. Fill in the blanks : (1×4=4)
- (a) Founder of Red Cross was
 - (b) S.T.D. of fluoride is
 - (c) Gingival Index was given by
 - (d) Father of dentistry in India is
-

FEB-19

Total No. of Questions - 8]
(2029)

[Total Pages : 3

7465

**B.D.S. Final Year (New Regulation)
(Suppl.) Examination
PUBLIC HEALTH DENTISTRY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Health Education. Describe in detail about various methods of Health Education. (1+7=8)
2. Define Epidemiology. Classify epidemiological studies. Describe in detail about case-control study. (1+2+5=8)
3. Write short notes on the following :
 - (a) Primary Health Centre.

7465/400/777/18

[P.T.O.]

(b) Slow sand Filter.

(c) Epidemic and Endemic.

(5×3=15)

4. Fill in the blanks :

(a) The amount of available chlorine (ppm) in Sodium hypochlorite is

(b) Removal of bacteria in Rapid Sand filter is%.

(c) Barefoot doctors term has evolved from

(d) The first stated and largest Principle of the Numerberg Code is (1×4=4)

PART-B

5. Define Survey. Describe in detail the steps to be followed in conducting a survey. (1+7=8)

6. Define and Classify Dental Auxiliaries. Describe in details about Expanded function dental Auxiliary. (2+6=8)

7. Write short notes on the following :

(a) Delta Dental Plan.

(b) Fluoride Varnishes.

(c) Different sampling techniques. (5×3=15)

8. Fill in the blanks :

(a) The Permissible level of E. Coli (Number/ml) in potable water is.....

(b) Heart of controlled trial is

(c) TNM Staging is type scale.

(d) Dark Blue sector in a cariogram indicates (1×4=4)

FEB-18

Total No. of Questions – 8]
(2028)

[Total Pages : 3

6912

B.D.S. Final Year (New Regulation) Suppl. Examination
PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Survey. Describe in details various steps in the conduction of survey. (1+7=8)
2. Define Index. Classify them. Describe in details Dean's Fluorosis Index. (1+2+5=8)
3. Write short notes on the following :
 - (a) World Health Organisation.
 - (b) Incineration.
 - (c) Level of Prevention. (5×3=15)

6912/400/777/18

[P.T.O.]

4. Fill in the blanks :

- (a) The dentist act of India was introduced on
- (b) The deficiency of leads to pernicious anaemia.
- (c) The father of dentistry in India is
- (d) The concept of came into existence following a joint WHO-UNICEF International conference at Alma Ata in 1978. (1×4=4)

PART-B

5. Define Biostatistics. Describe various methods of data presentation. (1+7=8)

6. Classify Fluorides. Describe in details about Knutson's technique. (2+6=8)

7. Write short notes on the following :

- (a) Audio-Visual Aids.
- (b) Measures of Central Tendency.
- (c) Comprehensive Dental Care. (5×3=15)

8. Fill in the blanks :

- (a) World Bank is special agency of
 - (b) C.P.I.T.N. Index was given by
 - (c) Head office of W.H.O. is situated in
 - (d) Deficiency of Vitamin causes Night blindness. (1×4=4)
-

Aug-18

Total No. of Questions – 8]
(2088)

[Total Pages : 3

7235

B.D.S. Final Year (New Regulation)

Annual Examination

PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Public Health. Describe in detail about various phases of Public Health. (1+7=8)
2. Define an Index. Classify Indices. Describe in detail about Community Periodontal Index. (1+2+5=8)
3. Write short notes on the following :
 - (a) Consumer Protection Act.
 - (b) Incineration.
 - (c) Nalgonda Technique. (5×3=15)

7235/500/777/104

[P.T.O.]

4. Fill in the blanks :

- (a) is the name given to hemorrhagic, enlarged bluish-red gingivae, seen in Vitamin-C deficiency?
- (b) The dentist of India was Introduced on.....
- (c) can be defined as the number of new cases of a specific disease occurring in a defined population during a specified period of time.
- (d) The concept of UCR fee stands for.....

(1×4=4)

PART-B

5. Define Ethics. Describe in detail about various principles of Ethics. (1+7=8)

6. Define epidemiology. Enumerate epidemiological studies related to dental caries. Describe in details about prevention of dental caries. (1+2+5=8)

7. Write short notes on the following :

- (a) ART.
- (b) Iceberg phenomenon of disease.
- (c) School Dental Nurse. (5×3=15)

8. Fill in the blanks :

- (a) UNICEF stands for.....
- (b) Method to determine the amount of fluoride that should be added to water and associated Empirical formulae was developed by.....
- (c) During W.H.O. Oral Health Assessment if pit and fissure are present on crown of permanent tooth, the code given will be
- (d) "Waste Sharps" falls under category of biomedical waste in India. (1×4=4)

Aug-17

Total No. of Questions – 8]
(2087)

[Total Pages : 3

6709

**B.D.S. Final Year (New Regulation)
Annual Examination
PUBLIC HEALTH DENTISTRY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Define Epidemiology. Classify Epidemiological study designs. Discuss about Case-control study. (1+2+5=8)
2. Define Primary Health Care. Discuss the principles and elements of Primary Health Care in detail. (1+7=8)
3. Write short notes on the following :
 - (a) Mechanism of action of Fluoride.
 - (b) Ethical Principles.
 - (c) Vitamins and Oral Health. (5×3=15)

[P.T.O.]

6709/500/777/52

4. Fill in the blanks :

- (a) is the other name of Retrospective study.
- (b) The slimy growth covering the surface of the sand bed in a slow sand filter is known as
- (c) Endemic disease is a disease present in area.
- (d) is the name of the code that sets ethical principles of research for human experiments.

(1×4=4)

PART-B

5. Define Prevention. What are the different levels of Prevention ? How the concept of Prevention is used in case of Dental caries ?

(1+2+5=8)

6. Define and classify Dental Auxiliaries. Briefly explain each of them.

(2+6=8)

7. Write short notes on the following :

- (a) Contents of Dental Health Education.
- (b) Role of Consent in Dental practice.
- (c) Index Age Groups.

(5×3=15)

8. Fill in the blanks :

- (a) Prophylactic odontology was recommended by
- (b) GOBI Programme is associated with which global agency ?
- (c) The term Colorado stain for brown stain of mottle teeth was given by
- (d) A group takes the decision in system.

(1×4=4)

FEB-17

Total No. of Questions – 8]
(2027)

[Total Pages : 2

6354

**B.D.S. Final Year (New Regulation) Suppl. Examination
PUBLIC HEALTH DENTISTRY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Enumerate various types of Epidemiological studies. Discuss in details about randomised controlled trials. (2+6=8)
2. Define Index. Write in brief about various indices used for assessment of periodontal disease. (1+7=8)
3. Write short notes on the following :
 - (a) Delta Dental Plan.
 - (b) Levels of Prevention.
 - (c) Dental Council of India. (5×3=15)

6354/400/777/18

[P.T.O.]

4. Fill in the blanks :

- (a) is the ppm of fluoride in adult fluoridated toothpaste.
- (b) The dentist act of India was passed in the year
- (c) WHO head office is situated in
- (d) gel is used in topical application of fluoride and is acidic in taste. (1×4=4)

PART-B

5. Define Plaque Control. Describe in detail the various methods of Mechanical and Chemical Plaque Control.

(1+7=8)

6. Define Prevention. What are different levels of Prevention ? Describe in details about ART. (1+2+5=8)

7. Write short notes on the following :

- (a) Measures of dispersion.
- (b) W.H.O.
- (c) Incremental Dental Care.

(5×3=15)

8. Fill in the blanks :

- (a) Founder of Red Cross was
- (b) C.L.D. of fluoride is
- (c) Plaque index was given by
- (d) Father of dentistry in India is

(1×4=4)

AUG-16

Total No. of Questions – 8]
(2086)

[Total Pages : 3

6178

B.D.S. Final Year (New Regulation)

Annual Examination

PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. Write the mechanisms of action of fluoride. Add a note on topical fluorides. (2+6=8)
2. Define Health Education. What are the principles of health education and describe them in detail. (1+7=8)

6178/500/777/18

[P.T.O.]

3. Write short notes on the following :

- (a) Sampling Techniques.
- (b) Measures of Central Tendency.
- (c) Comprehensive Dental Care. (5×3=15)

4. Fill in the blanks :

- (a) The father of epidemiology is
- (b) WHO was formed in the year
- (c) is the other name of normal distribution curve.
- (d) % sodium fluoride is used in Knutson's technique. (1×4=4)

PART-B

5. Define Survey. What is the role of survey in Public Health dentistry ? Describe in details various steps in the conduction of survey. (1+2+5=8)

6. Define Index. What are ideal requisite of an Index. Describe in detail about CPITN Index. (1+2+5=8)

7. Write short notes on the following :

- (a) Pit and Fissure Sealants.
- (b) Primary Health Centre.
- (c) Prevention of Oral Cancer. (5×3=15)

8. Fill in the blanks :

- (a) OHI index was given by
- (b) Vital layer is associated with
- (c) Concept of school dental nurse was first adopted in which country
- (d) GOBI programme stands for (1×4=4)

FEB-16

Total No. of Questions – 8]
(2026)

[Total Pages : 3

7868

B.D.S. Final Year (New Regulation)

Supplementary Examination

PUBLIC HEALTH DENTISTRY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions.

PART-A

1. What is Ethics ? Describe in detail about Principles of Ethics. 8

2. Define Health Education. Write in detail about the Principles of Health Education. 8

7868/400/777/47

[P.T.O.]

3. Write short notes on the following :

- (a) Balanced Diet.
- (b) ART.
- (c) Rapid Sand Filter.

(5×3=15)

4. Fill in the blanks :

- (a) Integrated Child Development Services Scheme was started on
- (b) Vitamin B₂ is also known as
- (c) Father of Dentistry is
- (d) Case Control Study is also known as

(1×4=4)

PART-B

5. Define Prevention. What are different levels of Prevention ? Describe in detail various methods of prevention of Dental Caries. 8

6. Define Index. What are ideal requisite of Index ? Describe in detail about Oral Hygiene Index. 8

7. Write short notes on the following :

- (a) Sampling methods in a Survey.
- (b) Chemical Plaque Control.
- (c) School Dental Health Programme.

(5×3=15)

8. Fill in the blanks :

- (a) Concentration of fluoride used in school water fluoridation is
- (b) CPITN index was given by
- (c) GOBI programme is related to which organisation
- (d) W.H.O. came into existence on.....

(1×4=4)

OCT-21

Total No. of Questions – 6]
(2101)

[Total Pages : 6

6949

B.D.S. Final Year (Annual) Examination
ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answer shall be specific to the questions asked in sequential order. Draw well labelled diagrams where necessary.

PART-A

1. Discuss in detail etiopathogenesis, clinical features, investigations and management of Trigeminal Neuralgia.
(10)
2. Write short notes on any *three* :
 - (a) Differential diagnosis of chronic ulcers of oral cavity.
 - (b) Oral manifestations of diabetes mellitus.
 - (c) Management of Oral Lichen planus.
 - (d) Intrinsic pigmentation of oral cavity.
 - (e) TNM staging for oral cancers.
(3×5=15)

6949/500/777/203

[P.T.O.]

3. Objective type questions :

(A) Choose correct option.

- (i) Which of the following is incorrect of Peutz-Jegher's Syndrome?
- (a) It is an autosomal recessive trait
 - (b) Melanin pigmentation of oral mucosa is seen
 - (c) Intestinal polyps are present
 - (d) Pain in the intestine due to intussusception.
- (ii) Midline swelling is seen in all except
- (a) IInd branchial cyst
 - (b) Thyroglossal cyst
 - (c) Submental lymphadenopathy
 - (d) Substernal cyst.
- (iii) Patient with slanting eyes, protruding tongue, low level of IQ and enamel hypoplasia is probably suffering from
- (a) Craniofacial dysostosis
 - (b) Achondroplasia
 - (c) Down's syndrome
 - (d) Cleidocranial dysplasia.
- (iv) The best laboratory test to use in the diagnosis of Lupus Vulgaris in the oral cavity is
- (a) Bacterial smear
 - (b) Blood studies
 - (c) Biopsy
 - (d) Blood chemistry.

- (v) Which of the following medication shortens the recovery period of primary herpetic gingivostomatitis?
- (a) Acyclovir
 - (b) Ziduvudine
 - (c) Kenalog in orabase
 - (d) All the above. (1×5=5)

(B) Fill in the blanks :

- (vi) CMV is responsible for in the oral cavity.
- (vii) Plebby surface of the overlying mucosa is seen in
- (viii) Syndrome is associated with multiple papillomas.
- (ix) Kaposi's sarcoma is a tumor of
- (x) In Xerostomia the salivary flow is less than

PART-B

4. Describe the oral and paraoral complications in Radiotherapy of Head and Neck region. Add a note on their management. (10)
5. Write short notes on any *three* :
- (a) SLOB Technique.
 - (b) Scintigraphy.

- (c) Radiographic appearance of central giant cell granuloma.
- (d) Faulty Radiographs.
- (e) Radiographic features of complex odontoma.

(3×5=15)

6. Objective type questions :

(1×5=5)

(A) Choose the correct option.

(i) The Radiographic appearance seen in Paget's disease is

- (a) Multiple "Punched out" Radiolucencies
- (b) Ground glass appearance
- (c) 'Sun burst' appearance
- (d) Cotton wool appearance.

(ii) Multiple retained deciduous teeth are seen in

- (a) Cleidocranial dysostosis
- (b) Osteogenesis imperfecta
- (c) Craniofacial dysostosis
- (d) Amelogenesis imperfecta.

(iii) Campbell lines can be traced in which of the following radiographic view?

- (a) Submentovertex view
- (b) Occipito mental view
- (c) Transorbital view
- (d) Lateral cephalo gram.

(iv) The best Radiographic technique employed to detect posterior proximal caries in children is

- (a) Bitewing with 'D' speed film
- (b) Bitewing with 'F' speed film using bisecting angle technique
- (c) Digital OPG
- (d) Bitewing using RVG.

(v) Which of the following is considered as best imaging modality for detecting sequestra in osteomyelitis?

- (a) Radionuclide imaging
- (b) Tomography
- (c) MRI

(d) Computed Tomography. (1×5=5)

(B) Fill in the blanks :

(vi) Compared to round collimator, use of rectangular collimator reduces the patients skin surface exposure by

(vii) view is used to assess the range of motion of condyles in glenoid fossa.

(viii) is the characteristics appearance of salivary gland tumors in Sialography.

(ix) "Beaten Metal appearance" in Skull radiographs seen in

(x) Torus mandibularis is commonly seen in region. (1×5=5)

JUN-21

Total No. of Questions – 6]
(2031)

[Total Pages : 5

6565

B.D.S. Final Year (Supplementary) Examination
ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answers shall be specific to the questions asked in sequential order. Draw neat labelled diagrams where necessary.

PART-A

1. Discuss the clinical features, differential diagnosis, investigations and management of diseases with multiple ulcers of oral cavity. (10)
2. Write short notes on any *three* of the following :
 - (a) Grading and staging of Oral Cancers.
 - (b) Role of vital staining for diagnosis of Oral Premalignancies.

6565/300/777/909

[P.T.O.]

- (c) Bite marks in Forensic Odontology.
- (d) Orofacial Pain Management.
- (e) Struge-Weber Syndrome. (3×5=15)

3. Objective Type Questions :

(A) Choose the correct option :

(i) Kveim test is positive in :

- (a) Syphilis
- (b) Behcet's disease
- (c) Sjogren's syndrome
- (d) Sarcoidosis.

(ii) Oral Submucous Fibrosis is caused by :

- (a) Arecanut
- (b) Smoking
- (c) Tobacco
- (d) All the above.

(iii) A gingival bluish line Along the marginal gingiva appears along with anemia, fatigue, irritability and weakness seen in :

- (a) Bismuth intoxication
- (b) Arsenic intoxication
- (c) Lead intoxication
- (d) Mercury intoxication.

(iv) Hyperactive pulpalgia is another name of :

- (a) Acute irreversible pulpitis
- (b) Reversible pulpitis
- (c) Chronic hyperplastic pulpitis
- (d) Anachoretic pulpitis.

(v) The "Slip Sign" is suggestive of :

- (a) Edge of the Swelling
- (b) Consistency of a Swelling
- (c) Fluctuation of Swelling
- (d) Reducibility of a Swelling. (1×5=5)

(B) Fill in the blanks :

- (vi) The blisters containing purulent material and appear yellow are called
- (vii) Denture sore mouth is caused by
- (viii) Burkitt's Lymphoma is caused mainly by virus.
- (ix) Gummatous lesions occur in
- (x) Hunter's Glossitis and Moeller's glossitis is seen in Vitamin deficiency. (1×5=5)

PART-B

4. Describe the adverse effect of radiotherapy in the oral cavity. Add a note on Rationale of Radiotherapy. (10)

5. Write short notes on any *three* of the following :

- (a) Object Localization Techniques.
- (b) Radiographic Appearance of Fibrous Dysplasia in Jaw Bones.

- (c) Differential diagnosis of Periapical Radioopacities.
- (d) Indication of M.R.I. and Ultrasonography in Dentistry.
- (e) Radiographic features of Radicular cyst. (3×5=15)

6. Objective type questions :

(A) Choose the correct option.

(i) Multiple "Punched out" Lesions are seen in :

- (a) Chronic osteomyelitis
- (b) Polycythemia vera
- (c) Sickle cell anemia
- (d) Multiple myeloma.

(ii) Torus Mandibularis is most commonly seen in Region.

- (a) Incisor
- (b) Canine
- (c) Pre-molar
- (d) Molar.

(iii) Rotating Anodes are used in all *Except* :

- (a) X-ray units using tube current of 100-500 mA
- (b) Computed tomographic unit
- (c) Cephalometric unit
- (d) Intra oral X-ray machines.

(iv) While taking the bitewing X-ray, the direction and angulation of central ray should be :

- (a) 10° below horizontal plane
- (b) 10° above horizontal plane
- (c) -5° below horizontal plane
- (d) +15° above horizontal plane.

(v) Which of the following is essential in developing solution to achieve its alkaline pH?

- (a) Acetic acid
- (b) Ammonium thiosulfate
- (c) Sodium or potassium hydroxide
- (d) Phenidone. (1×5=5)

(B) Fill in the blanks :

(vi) The pH of fixing solution is

(vii) is the contrast agent used in the CT of maxillary antrum region.

(viii) If a dose of 1 Gy is measured at a distance of 2 m, a dose of 0.25 Gy is found at m.

(ix) "Tram Line" calcification in skull views commonly seen in

(x) "Hair on end" radiographic appearance is seen in (1×5=5)

JAN-21

Total No. of Questions - 6]
(2090)

[Total Pages : 6

6386

B.D.S. Final Year (Annual) Examination
ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answer shall be specific to the questions asked in sequential order. Draw neat labelled diagrams where necessary.

PART-A

1. Describe in detail about etiology, clinical features, differential diagnosis, investigations and management of Pemphigus Vulgaris. 10
2. Write short notes on any *three* of the following :
 - (a) Medical management of oral submucous fibrosis.
 - (b) Orafacial pigmentation as a marker of systemic diseases.

6386/500/777/45

[P.T.O.]

- (c) Referred facial pain.
 (d) Differential diagnosis of depapillation of Tongue.
 (e) Cervicofacial lymphadenopathy. (3×5=15)

3. Objective type questions :

(A) Choose the correct option

- (i) A flat, circumscribed discolouration of skin or mucosa that may vary in size and shape is referred to as :

- (a) Epulis
 (b) Nodule
 (c) Macule
 (d) Papule.

- (ii) Malignant transformation is most likely seen in :

- (a) Leukoplakia
 (b) Erythroplakia
 (c) OSMF
 (d) Lichen planus.

- (iii) Serum alkaline phosphatase level increases in

- (a) Paget's disease
 (b) Fibrous dysplasia
 (c) Cherubism
 (d) All the above.

- (iv) Positive pathergy test is seen in :

- (a) Candidiasis
 (b) Behcet's disease
 (c) Histoplasmosis
 (d) Sarcoidosis.

- (v) Which of the following is an emerging viral disease ?

- (a) SARS
 (b) Measles
 (c) Chicken pox
 (d) Rabies. (1×5=5)

(B) Fill in the blanks :

- (i) Koebner's phenomenon is seen with
 (ii) Bullae formation after striking an intact skin/ mucosal surface is known as
 (iii) Unilateral acute idiopathic facial paresis or paralysis is called
 (iv) The pathologic loss of both enamel and dentin caused by biomechanical loading forces is called
 (v) The lesion which is associated with erythematous areas with white keratotic border, present on dorsal surface of tongue with the history of complete remission and reoccurrence can be

(1×5=5)

PART-B

4. Draw a neat labelled diagram of X-ray tube and describe the role of its major components. Add a note on "Focal spot". 10

5. Write short notes on any *three* of the following :

- (a) Alara principle.
- (b) Charge coupled device.
- (c) Transpharyngeal view.
- (d) Radiographic features of dentigerous cyst.
- (e) Radiographic appearance of odontogenic myxoma.

(3×5=15)

6. Objective type questions :

- (A) Choose the correct option

- (i) The multiple osteomas and dense bone islands are usually seen in :

- (a) Gorlin-Goltz syndrome
- (b) Hyper para thyroidism
- (c) Gardner's syndrome
- (d) Myositis ossificans.

- (ii) "Onion Peel" appearance is seen in

- (a) Crouzon syndrome
- (b) Ewing's sarcoma
- (c) Sturge Weber syndrome
- (d) Osteo radio necrosis.

- (iii) Which of the following appear most radio opaque ?

- (a) Dentin
- (b) Lamina dura
- (c) Ceramic crown
- (d) Silver amalgam restoration.

- (iv) Free radicals are chemical species which have

- (a) Single unpaired electron in an outer orbit
- (b) Double unpaired electron in an outer orbit
- (c) Double impaired electron in an outer orbit
- (d) Single paired electron in an outer orbit.

- (v) Which of the following is critical in diagnostic imaging ?

- (a) Compton scattering
- (b) Beam attenuation
- (c) Coherent scattering
- (d) Photoelectric absorption.

(1×5=5)

(B) Fill in the blanks :

- (i) The exposure required for edentulous ridge is approximately % less than dentulous ridge.
- (ii) creates sensitivity sites in X-ray films.
- (iii) "Sausage link" Sialographic appearance is seen in
- (iv) is a contra indication for submentovertex view.
- (v) type of Collimator is used in Panoramic Radiography. (1×5=5)

FEB-20

Total No. of Questions – 6]
(2020)

[Total Pages : 6

6040

B.D.S. Final Year (New Regulation)

(Suppl.) Examination

ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answers shall be specific to the questions asked in sequential order. Draw neat labelled diagrams where necessary.

PART-A

1. Classify red and white lesions of the oral cavity. Discuss the etiopathogenesis, clinical features, classification, investigations and management of oral candidiasis. (10)

6040/300/777/860

[P.T.O.]

2. Write short notes on any three of the following :

- (a) Trigeminal Neuralgia.
- (b) Mucositis.
- (c) Oral manifestations and dental considerations in diabetic patient.
- (d) Differential diagnosis of bilateral parotid swellings.
- (e) Myofacial pain. (3×5=15)

3. Objective type questions :

A. Choose the correct option :

(i) Metastasis may be detected by

- (a) Ultrasonography
- (b) Scintigraphy
- (c) MRI
- (d) CT.

(ii) Facial palsy is seen in

- (a) Pierre Robin Syndrome
- (b) Down's Syndrome
- (c) Goldenhar Syndrome
- (d) Melkerson-Rosenthal Syndrome.

(iii) Crepitus of TMJ is seen commonly in

- (a) Fracture of Condyle
- (b) Disc displacement
- (c) Osteo arthritis
- (d) Chondroma of Condyle.

(iv) Unilateral throbbing headache with aura is seen in

- (a) Migraine
- (b) Temporal arteritis
- (c) Paroxysmal hemicrania
- (d) Cluster headache.

(v) Patients with Renal diseases may present with

- (a) Uremic Stomatitis
- (b) Cobble Stone appearance
- (c) Acetone breath
- (d) Gingival enlargement. (5×1=5)

B. Fill in the blanks :

(vi) Tertiary Syphilis causes lesions.

(vii) is example of non-scrappable white lesion.

(viii) Deficiency of Vitamin B₁₂ and Folic acid causes

(ix) Drugs used to treat Herpes Simplex infection is

(x) AIDS is caused by (1×5=5)

PART-B

4. Describe the effect of therapeutic Radiation on Oral and Para Oral Structures. (10)

5. Write short notes on any *three* of the following :

(a) Radiographic appearance of Fibrous Dysplasia.

(b) Collimation and Filtration.

(c) PNS View.

(d) Differential diagnosis of periapical Radio-Opacities.

(e) Uses of Ultrasonography in maxillofacial diagnosis. (3×5=15)

6. Objective type questions :

A. Choose the correct option :

(i) Cervical Burn out is a phenomenon caused by

(a) Decreased X-ray absorption in the cervical region of the teeth with proximal caries.

(b) Decreased X-ray absorption in the cervical region of normal teeth.

(c) Decreased X-ray absorption in the cervical region of teeth with root caries.

(d) Decreased X-ray absorption in the cervical region of hypoplastic teeth.

(ii) In Modern Dentistry, which Radiographic technique is best for detecting proximal carious lesion with minimum radiation exposure?

(a) Bitewing with "E" Speed film

(b) OPG

(c) Bitewing with RVG

(d) Bitewing with parallelling Technique.

(iii) The unit measurement of absorbed dose in X-rays is

(a) Curie

(b) Sievert

(c) Gray

(d) Kerma.

(iv) Which of the following restorative material appears radiolucent in Dental radiograph?

(a) Gutta percha

(b) Zinc oxide Eugenol Cement

(c) Composite restoration

(d) Calcium hydroxide base.

(v) Nutrient Canals most abundantly seen in

(a) Mandibular anterior region

(b) Maxillary anterior region

(c) Mandibular posterior region

(d) Maxillary posterior region. (1×5=5)

B. Fill in the blanks :

- (vi) Spine shadow artifact in panoramic radiograph can be eliminated by positioning the patient
- (vii) Contrast agents are toxic to the individuals with
- (viii) type of Collimator in Dental X-ray machine significantly limit the Size of X-ray beam.
- (ix) is the pH of Developer.
- (x) Uniform widening of periodontal ligament Space is seen in (1×5=5)

AUG-19

Total No. of Questions – 6]
(2089)

[Total Pages : 6

7819

B.D.S. Final Year (Annual) Examination
ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answers shall be specific to the questions asked in sequential order. Draw neat labelled diagrams where necessary.

PART-A

1. Classify malignant tumors of the oral cavity. Discuss etiopathogenesis, clinical features, investigations and management of oral squamous cell carcinoma. (10)
2. Write short notes on any *three* of the following : (3×5=15)
 - (a) Oral manifestations and dental considerations in patient with Bleeding disorder.
 - (b) Laboratory diagnosis of HIV.

7819/500/777/107

[P.T.O.]

- (c) Differential diagnosis of acute multiple ulcers.
 (d) Management of Oral Submucous Fibrosis.
 (e) Sialadenosis.

3. Objective type questions : (1×5=5)

A. Choose the correct option :

- (i) Chair side clinical test to detect xerostomia
 (a) FNAC
 (b) Saliva Culture
 (c) Tongue blade sign
 (d) Minor salivary gland biopsy.
- (ii) Denture stomatitis is caused by
 (a) Streptococcus mutans
 (b) Staphylococcus aureus
 (c) Candida albicans
 (d) Actinomyces.
- (iii) Post inflammatory pigmentation is seen in
 (a) Smokers Melanosis
 (b) Drug induced pigmentation
 (c) Endocrinopathic pigmentation
 (d) Lichen planes.

(iv) Schilling test is done to determine

- (a) Sjögren's syndrome
 (b) Vit. B₁₂ deficiency
 (c) Vit. D deficiency
 (d) Melkerson-Rosenthal syndrome.

(v) Enlargement of filiform papillae is seen in

- (a) Scrotal Tongue
 (b) Hairy Tongue
 (c) Geographic Tongue
 (d) Raspberry Tongue.

B. Fill in the blanks : (1×5=5)

- (vi) Sign is positive in pemphigus Vulgaris.
 (vii) Drug of choice for Trigeminal Neuralgia is
 (viii) Meal time syndrome is caused by
 (ix) Excess growth hormone in adults causes
 (x) "Lemon on Stick" appearance is seen in syndrome.

PART-B

4. Write principles, Indications, Advantages and limitations of Panoramic Radiography. Add a note on "Focal trough". (10)

5. Write short notes on any *three* of the following :

- (a) Radiographic features of central giant cell granuloma.
- (b) Position distance rule.
- (c) Differential diagnosis of pericoronal radiolucencies.
- (d) Effect of therapeutic radiation on oral Mucous membrane.
- (e) Role of Dental radiology in Forensic Sciences.

(3×5=15)

6. Objective type questions.

(1×5=5)

- A. Choose the correct option :

- (i) Which of the following is most radio-opaque?

- (a) Ceramic Crown
- (b) Enamel
- (c) Lamina Dura
- (d) Silver amalgam restoration.

- (ii) Digital Image in Computerized Radiography is made up of

- (a) Pixels
- (b) Silver halide Cryst
- (c) Hounse Field units
- (d) CCD.

- (iii) The most common type of Radiation caries is

- (a) Cervical Surface involvement of teeth
- (b) Wide spread Superficial lessions attacking buccal, occlusal, incisal and palatal Surfaces
- (c) Spreading to occlusal to palatal surfaces
- (d) Dark pigmentation of entire crown.

- (iv) Moth eaten appearance is seen in all *Except*

- (a) Osteomyelitis
- (b) Hemorrhagic cyst
- (c) Osteo sarcoma
- (d) Keratocystic odontogenic tumor (OKC).

- (v) For examination of Articular disk, the radiographic technique used is

- (a) Contrast CT
- (b) Tomography
- (c) Arthrography
- (d) MRI.

B. Fill in the blanks :

(1×5=5)

- (vi) The contrast agent used in MRI is
- (vii) The base of Dental radiography film is made up of
- (viii) Combination has been shown to be quite helpful in staging and treatment planning of squamous cell carcinoma in Head and neck region.
- (ix) is clearing agent in Fixer.
- (x) The presence of an Intact Lamina Dura around the apex of a tooth strongly suggests a

FEB-19

Total No. of Questions - 6]
(2029)

[Total Pages : 6

7464

**B.D.S. Final Year (New Regulation)
Supplementary Examination
ORAL MEDICINE AND RADIOLOGY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answer shall be specific to the questions asked. Draw neat labelled diagrams where necessary.

PART-A

1. Classify red and white lesions of oral cavity. Describe in detail about the etiopathogenesis, clinical features, differential diagnosis, investigations and management of oral submucous fibrosis. 10
2. Write short notes on any three :
 - (a) Oral candidiasis.
 - (b) Plummer Vinson Syndrome.

7464/400/777/17

[P.T.O.]

- (c) Post herpetic neuralgia.
- (d) Oral manifestations of AIDS.
- (e) Bite marks in forensic odontology.

(3×5=15)

3. Objective type questions

(A) Choose correct option :

- (i) Endoderm, Mesoderm and Ectoderm, all germ layers are present in which of the following ?

- (a) Radicular cyst
- (b) Teratoma
- (c) Ameloblastoma
- (d) Dermoid cyst.

- (ii) Benign tumor derived from smooth muscles is known as

- (a) Leiomyoma
- (b) Rhabdomyoma
- (c) Leiomyosarcoma
- (d) None of the above.

- (iii) All the following diseases has been associated with Epstein-Barr virus *except*

- (a) Burkitt's lymphoma
- (b) Infectious mononucleosis
- (c) Oral hairy leukoplakia
- (d) Malignant mixed tumor.

- (iv) Which of the following malignant salivary gland tumor is encapsulated ?

- (a) Mucoepidermoid carcinoma
- (b) Acinic cell carcinoma
- (c) Adenoid cystic carcinoma
- (d) Malignant mixed tumor.

- (v) Which of the following helps in distinguishing periapical cyst from periapical granuloma ?

- (a) Radiographic examination
- (b) Clinical examination
- (c) Histologic examination
- (d) Pulp vitality test.

(1×5=5)

(B) Fill in the blanks :

- (i) is the drug of choice in trigeminal neuralgia.
- (ii) The temporomandibular joint is capable of performing and movements.
- (iii) Basal cell carcinoma is also known as
- (iv) The herpetic lesions of the fingers is called
- (v) followed by are the two muscles of mastication that are commonly involved in myofascial pain Dysfunction syndrome.

(1×5=5)

PART-B

4. Enumerate Intra Oral Radiographic techniques. Describe the indications and technique of maxillary cross-sectional occlusal view. 10

5. Write short notes on any three :

- (a) Automatic processor.
- (b) RVG (Radio Visio Graphy).
- (c) Radiographic features of Radicular cyst.
- (d) Radiographic features of periapical cemental dysplasia.
- (e) T.L.D. Badges. (3×5=15)

6. Objective type questions :

- (A) Choose the correct option :

- (i) The unit of measurement of absorbed dose in X-rays is

- (a) CURIE
- (b) SIEVERT
- (c) GRAY
- (d) KERMA.

- (ii) During production of x-rays, how much of electron energy is converted into heat ?

- (a) 99%
- (b) 95%

- (c) 89%

- (d) 1%.

- (iii) Months or years following radiotherapy, the irradiated oral mucosa

- (a) Undergoes necrosis
- (b) Develops candidiasis
- (c) Becomes atrophic
- (d) Develops granulomatosis.

- (iv) Which of the following can be found most accurately in dental radiograph ?

- (a) Acute pulpitis
- (b) Periapical abscess
- (c) Crack tooth syndrome
- (d) Mental foramen.

- (v) Which of the following is not a contrast radiography ?

- (a) Sialography
- (b) Tomography
- (c) Arthrography
- (d) Single photon Emission computed tomography. (1×5=5)

(B) Fill in the blanks :

- (i) Base of the skull can be visualized by
Radiograph.
- (ii) The pH value of developer is
- (iii) "Thistle tube" appearance of pulp on radiograph
is seen in
- (iv) The mandibular anatomic landmark seen in
maxillary intra oral periapical view is
- (v) "Cotton Wool" appearance in the radiograph is
seen in (1×5=5)

Aug-18

Total No. of Questions – 6]
(2088)

[Total Pages : 6

7234

B.D.S. Final Year (New Regulation)

Annual Examination

ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answers shall be specific to the questions asked. Draw neat labelled diagrams where necessary.

PART-A

1. Classify Vesiculo-bullous-ulcerative lesions affecting the Oral mucosa. Describe in detail about the etiopathogenesis, clinical features, differential diagnosis, investigations and management of pemphigus Vulgaris. 10

7234/500/777/103

[P.T.O.]

2. Write short notes on any *three* of the following :

- (a) Management of Oral Lichen planus.
- (b) Soft tissue Cysts of Oral region.
- (c) Sjögren's syndrome.
- (d) Differential diagnosis of Trismus.
- (e) Glossopyrosis.

(3×5=15)

3. Objective type questions.

(A) Choose the correct option :

(i) "Hutchinson's Triad" includes all of the following *except* :

- (a) Interstitial keratitis
- (b) Eight nerve deafness
- (c) Peg lateral
- (d) Hypoplasia of molar teeth.

(ii) Which of the following Oral lesion strongly associated with Hepatitis C ?

- (a) Leukoplakia
- (b) Erythroplakia
- (c) Lichen planus
- (d) Gingivitis.

(iii) HIV affects by altering

- (a) Ratio of helper T-cells to NK cells
- (b) Ratio of T-cells to B-cells
- (c) Degree of T-cells
- (d) Ratio of CD4 cells to CD8 Cells.

(iv) Deficiency of thyroxine in children will lead to which of the following :

- (a) Acromegaly
- (b) Cretinism
- (c) Myxedema
- (d) Gigantism.

(v) Supernumery teeth may occur in all of the following *except* :

- (a) Romberg disease
- (b) Gardner Syndrome
- (c) Cleidocranial dysostosis
- (d) Hallermann-Streiff Syndrome. (1×5=5)

(B) Fill in the blanks :

- (vi) Kaposi Sarcoma is caused by
- (vii) Pellegra occurs due to
- (viii) The tubercular infection of Submaxillary or cervical Lymphnodes is known as

(ix) is the most common salivary gland malignancy in both Major and Minor Salivary glands.

(x) Recurrent Aphthous ulcer-major is also known as (1×5=5)

PART-B

4. Describe the various measures employed in Dental hospital for reducing Radiation exposure in detail. 10

5. Write short notes on any *three* of the following :

- (a) Dental X-ray machine.
- (b) Osteoradionecrosis.
- (c) Transpharyngeal view.
- (d) Radiographic features of Ameloblastoma.
- (e) "Onion Peel" appearance. (5×3=15)

6. Objective type questions.

(A) Choose the correct option :

- (i) "Hair on end" appearance is seen in
 - (a) Osteomyelitis
 - (b) Multiple myeloma
 - (c) Hyperparathyroidism
 - (d) Sickle cell anemia.

(ii) Least radiation exposure occurs in

- (a) Computed tomography (CT)
- (b) Orthophantomography (OPG)
- (c) Arthrography
- (d) MRI.

(iii) Diagnosis of incipient Carious lesion is best done by

- (a) "D" speed film
- (b) "F" speed film
- (c) "E" speed film
- (d) E + {ecta plus} film

(iv) Grids are used in Radiography

- (a) Reduce KVP
- (b) Reduce exposure time
- (c) Reduce fogging
- (d) Reduce patient exposure

(v) In Radiobiology, the "latent period" represents the period of time between

- (a) Cell rest and cell mitosis
- (b) The first and last dose of Radiotherapy
- (c) The film exposure and image development
- (d) Radiation exposure and onset of Symptoms.

(1×5=5)

(B) Fill in the blanks :

- (vi) Intra cranial and Transorbital views are used to visualize
- (vii) The recommended X-ray source to skin distance in Intra oral radiography is
- (viii), the phosphor used in Intensifying screens emit green light.
- (ix) The Nasolacrimal canals are commonly seen as on maxillary occlusal projection.
- (x) The "Snow Driven" appearance is seen in

(1×5=5)

AUG -17

Total No. of Questions – 6]
(2087)

[Total Pages : 4

6708

**B.D.S. Final Year (New Regulation)
Annual Examination
ORAL MEDICINE AND RADIOLOGY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are compulsory. Answers shall be specific to the questions asked. Draw neat labelled diagrams where necessary.

PART-A

1. Classify Salivary gland disorders. Describe in detail the etiology, clinical features, investigations and management of Sjögren's syndrome. 10
2. Write short notes on any three :
 - (a) Clinical difference between Traumatic ulcer and Recurrent Aphthores ulcer.
 - (b) Angioneurotic edema.
 - (c) Malignant melanoma.
 - (d) Chairside investigations in Dentistry.
 - (e) Corticosteroids in Dentistry. (3×5=15)

6708/500/777/51

[P.T.O.]

3. Objective type questions.

(A) Choose the correct option.

- (i) Fordyce granules are ectopic
 - (a) Minor salivary gland
 - (b) Lacrimal gland
 - (c) Sublingual gland
 - (d) Sebaceous glands.
- (ii) Petichae spots in oral mucosa are due to
 - (a) Thrombocytopenia
 - (b) Clotting factor deficiencies
 - (c) Vitamin K deficiency
 - (d) All the above.
- (iii) Which of the following syndromes is associated with haemangioma ?
 - (a) Peutz Jegher syndrome
 - (b) Gardner's syndrome
 - (c) Struge-Weber syndrome
 - (d) Sjögren's syndrome.
- (iv) Vital staining is indicated in
 - (a) Carcinoma *in situ*
 - (b) Reticular Lichen planus
 - (c) Pseudomembranous candidiasis
 - (d) Intra oral benign nevus.
- (v) Type of biopsy indicated in elderly female who is having non-healing ulcer on the lateral surface of tongue measuring less than 2 cm in diameter is
 - (a) Excisional biopsy
 - (b) Incisional biopsy
 - (c) FNAC
 - (d) Punch biopsy.

(B) Fill in the blanks :

- (vi) Hairy Leukoplakia is caused by
- (vii) is oral lesion caused by endogenous melanin pigmentation.
- (viii) Deficiency of Vitamin C causes
- (ix) Normal Serum blood glucose level (Fasting) is
- (x) is topical anticancer agent used in the treatment of Oral Leukoplakia.

PART-B

4. Describe the Radiographic features of Fibro Osseous Lesions occurring in the Jaw bones and maxillofacial region. 10

5. Write short notes on any three :

- (a) Radiation Caries.
- (b) Collimation and Filtration.
- (c) Ideal Radiographs.
- (d) Bite Wing Radiographs.
- (e) Albright Syndrome.

(3×5=15)

6. Objective type questions.

Choose the correct option.

- (i) Multiple punched out radiolucencies in skull is seen in
 - (a) Osteomyelitis
 - (b) Osteosarcoma
 - (c) Fibrous dysplasia
 - (d) Multiple myeloma.

- (ii) Primary source of X-ray photons from a X-ray tube is
- (a) Stray radiation
 - (b) Characteristic radiation
 - (c) Bremstrahlung radiation
 - (d) All the above.
- (iii) Sensitivity of body tissue to radiation is dependent on
- (a) Blood flow
 - (b) Mitotic rate of cells
 - (c) Iron content
 - (d) Protein content.
- (iv) The ingredient of Fixing solution of the Radiographs is
- (a) Hydroquinone
 - (b) Elon
 - (c) Sodium bisulfate
 - (d) Acetic acid.
- (v) In bisecting technique, the film is placed
- (a) parallel to the tooth
 - (b) as close as possible to the tooth
 - (c) parallel to the bisector
 - (d) perpendicular to bisector.

Fill in the blanks :

- (vi) SI unit of the measurement of Radioactivity is
- (vii) ALARA stands for
- (viii) Cambell Lines are seen in Radiographs.
- (ix) Onion peel appearance is seen in
- (x) Radiation induced damage to bone is known as
(1×10=10)

AUG-16

Total No. of Questions – 6]
(2086)

[Total Pages : 6

6177

B.D.S. Final Year (New Regulation)

Annual Examination

ORAL MEDICINE AND RADIOLOGY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : (i) All questions are compulsory. Answers shall be specific to the questions asked.

(ii) Draw neat labelled diagrams where necessary.

PART-A

1. Define Pain. Classify the Orofacial pains. Write in detail the etiology, clinical features, investigations, differential diagnosis and management of Trigeminal Neuralgia. (10)
2. Write short notes on any *three* :
 - (a) Biopsy.
 - (b) Importance of bite mark analysis.

6177/500/777/17

[P.T.O.]

- (c) M.P.D.S.
 (d) Importance of lymphnode examination.
 (e) Management of Oral Submucous Fibrosis. (3×5=15)

3. Objective Type Questions :

(A) Choose the best option :

- (i) Tzank cells are found in
 (a) OLP
 (b) Leukoplakia
 (c) Pemphigus vulgaris
 (d) Cicatricial pemphigoid.

(ii) The etiology of Behcet's disease is

- (a) Viral
 (b) Fungal
 (c) Bacterial
 (d) Auto immune.

(iii) Ectodermal dysplasia is associated with

- (a) Hypodontia
 (b) Hyperdontia
 (c) Hypoplasia
 (d) None of the above.

6177/500/777/17

2

(iv) Most common odontogenic tumor present in the anterior maxillary region of young female patient is

- (a) Ameloblastoma
 (b) CEOT
 (c) Adenomatoid odontogenic tumor
 (d) Myxoma.

(v) The etiology of Hairy Leukoplakia is

- (a) Candida Albicans
 (b) Tobacco
 (c) Epstein Barr Virus
 (d) HIV.

(5×1=5)

(B) Fill in the blanks :

(vi) In Hyper Parathyroidism Serum calcium level is

(vii) Lichenoid reactions are due to

(viii) Steven-Johnson Syndrome is the severe form of

(ix) Radicular Cyst is always associated with roots of tooth.

(x) Candida associated lesions are,,
 (1×5=5)

6177/500/777/17

3

[P.T.O.]

PART-B

4. Enumerate and write indications for OCCLUSAL RADIOGRAPHS. Describe the technique for mandibular cross-sectional occlusal view. 10

5. Write short essays on any three :

- (a) Radio isotopes (Radionuclide).
- (b) Effect of Radiotherapy on Salivary glands.
- (c) Differential diagnosis for Periapical Radiopacities.
- (d) Radiographic appearance of complex composite odontome.
- (e) Trans-orbital view. (3×5=15)

6. Objective Type Questions :

(A) Choose the best option :

- (i) Which of the following are most sensitive to X-rays ?

- (a) Hair and Nails
- (b) Tooth buds and Salivary glands
- (c) Nerve and Muscle tissue
- (d) Cartilage and Mature bone.

- (ii) The overall degree of darkening of exposed and processed film is known as

- (a) Contrast
- (b) Density
- (c) Sharpness
- (d) Latitude.

- (iii) Fastest dental film available has the speed rating of

- (a) 'D' Speed
- (b) 'C' Speed
- (c) 'E' Speed
- (d) 'F' Speed.

- (iv) All the following lesions are radiolucent *except*

- (a) Ameloblastoma
- (b) Cementoblastoma
- (c) Central giant cell granuloma
- (d) Dentigerous cyst.

- (v) Penetration power of X-ray is a measure of

- (a) Exposure time
- (b) Milliamperage
- (c) Kilo voltage
- (d) None of the above.

(5×1=5)

(B) Fill in the blanks :

- (vi) Bisecting angle technique is based upon
- (vii) Multiple "punched out" radiolucencies of jaws and skull is seen in
- (viii) Injecting radiographic contrast agent into joint space and visualizing disc is referred as
- (xi) All three Lefort fractures are best seen in
- (x) "Beaten Copper" appearance is seen in (1×5=5)

OCT-21

Total No. of Questions – 6]
(2101)

[Total Pages : 2

6948

B.D.S. Final Year (Annual) Examination
ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer book for Part-A and Part-B. Draw diagram where necessary.

PART-A

1. Define an abscess. Name various fascial spaces in face and neck where odontogenic infections can spread. Discuss management of submandibular space infection. (10)
2. Write notes on :
 - (a) Anaphylactic reaction. (5)
 - (b) Caldwell-LUC procedure. (5)
 - (c) Trans-alveolar dental extraction. (5)

6948/500/777/202

[P.T.O.]

3. Discuss briefly : (2)
- (a) Dry socket. (2)
 - (b) Exostosis or Tori. (2)
 - (c) Sinusitis. (2)
 - (d) Resorbable suture material. (2)
 - (e) Peri-apical cyst. (2)

PART-B

4. Classify fractures of mandible. Discuss in detail the treatment of horizontally unfavourable unilateral fracture of angle of mandible in a 26 year old male. (10)
5. Write notes on :
- (a) Management of ameloblastoma. (5)
 - (b) Internal derangement of TM Joint. (5)
 - (c) Management of facial paralysis. (5)
6. Discuss briefly :
- (a) Dental implants. (2)
 - (b) Role of Midazolam in Oral Surgery. (2)
 - (c) Hypovolemic shock. (2)
 - (d) Genioplasty. (2)
 - (e) Marsupialization. (2)

JUN-21

Total No. of Questions – 6]
(2031)

[Total Pages : 2

6564

B.D.S. Final Year (Suppl.) Examination
ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions. Draw diagrams where necessary.

PART-A

1. Classify the lesions associated with maxillary sinus and describe the maxillary sinusitis of dental origin. (10)
2. Write short note on :
 - (a) Mandibular Impacted 3rd Molar classification. (5)
 - (b) Mechanical principles of exodontia. (5)
 - (c) Enumerate clotting factors. (5)

6564/300/777/908

[P.T.O.]

- 18-MUT
3. Discuss briefly :
- (a) Suture materials used in Oral Surgery. (2)
 - (b) Osteo-radiol-necrosis. (2)
 - (c) Role of adrenaline in L.A. (2)
 - (d) Autoclaving. (2)
 - (e) Alveoloplasty. (2)

PART-B

4. Classify fractures of mandible. How will you manage a bilaterally vertically unfavourable fracture of mandible. (10)
5. Write short notes on :
- (a) TMJ dislocation and its surgical management. (5)
 - (b) Management of cervical lymph nodes in oral cancer. (5)
 - (c) Ridge augmentation procedures. (5)
6. Discuss briefly :
- (a) Dental implants. (2)
 - (b) Hepatitis B prophylaxis. (2)
 - (c) Guerin's sign. (2)
 - (d) Blood grouping. (2)
 - (e) Third generation cephalosporins. (2)
-

JAN-21

Total No. of Questions - 6]
(2090)

[Total Pages : 2

6385

**B.D.S. Final Year (Annual) Examination
ORAL AND MAXILLOFACIAL SURGERY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-book for Part-A and Part-B. Draw diagram where necessary.

PART-A

1. Define impacted tooth classify and discuss in detail about the presurgical assessment and management of impacted maxillary canine. 10
2. Write short notes on :
 - (a) Methods of closure of Oro-antral fistula. 5
 - (b) Dental implants. 5
 - (c) Indications of G.A. 5

6385/500/777/44

[P.T.O.]

10-1167

3. Discuss briefly :

(a) Halothane.

2

(b) Syncope.

2

(c) Difference between chisel and osteotome.

2

(d) Landmarks of Interior Alveolar Nerve block.

2

(e) Frenectomy.

2

PART-B

4. What are the signs and symptoms of unilateral fracture zygoma ? How do you manage a case of simple unilateral depressed zygoma ?

10

5. Write short notes on :

(a) Garre's osteomyelitis.

5

(b) Odontogenic keratocyst and its management.

5

(c) Guardsman fracture.

5

6. Discuss briefly :

(a) Trigger zone.

2

(b) TNM classification.

2

(c) Sialography.

2

(d) Stages of General Anaesthesia.

2

(e) Excisional Biopsy.

2

FEB-20

Total No. of Questions – 6]
(2020)

[Total Pages : 2

6039

B.D.S. Final Year (New Regulation)

(Suppl.) Examination

ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours] [Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-book for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Classify local anaesthetics. Discuss infra-orbital nerve block in detail. (10)
2. Write short notes on :
 - (a) Management of anaphylaxis. (5)
 - (b) Submandibular incision. (5)
 - (c) Surgical methods of closure of oro-antral fistula. (5)

6039/300/777/859

[P.T.O.]

3. Discuss briefly :

- (a) Dry socket. (2)
- (b) Ethylene oxide sterilization. (2)
- (c) Heister's mouth gag. (2)
- (d) Alveoloplasty. (2)
- (e) Post extraction trismus. (2)

PART-B

4. Classify fractures of midface. Discuss in detail signs and symptoms, clinical features and management of Rt. Zygomatic complex fracture. (10)

5. Write short notes on :

- (a) Emergency airway. (5)
- (b) Management of mandibular prognathism. (5)
- (c) Management of ossifying fibroma of mandible. (5)

6. Discuss briefly :

- (a) Mid-palatine (split). (2)
- (b) Dento-alveolar abscess. (2)
- (c) MPDS. (2)
- (d) Open reduction and Internal fixation. (2)
- (e) Salivary fistula. (2)

Aug-19

Total No. of Questions – 6]
(2089)

[Total Pages : 2

7818

B.D.S. Final Year (Annual) Examination
ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-book for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Define and classify impacted mandibular 3rd molar. Outline various surgical steps for removal of mesioangular impacted mandibular 3rd molar. (10)
2. Write short notes on :
 - (a) Preanaesthetic medication. (5)
 - (b) Haemorrhage. (5)
 - (c) Dental implants. (5)

3. Discuss briefly :

- (a) Silk sutures. (2)
- (b) Caldwell-Luc operation. (2)
- (c) Autoclaving. (2)
- (d) Pterygomandibular space. (2)
- (e) Cowhorn forceps. (2)

PART-B

4. Classify mandibular fractures. Discuss in detail the management of Bilateral parasymphseal fracture of mandible. (10)

5. Write short notes on :

- (a) Surgical management of ameloblastoma. (5)
- (b) Recurrent dislocation of TMJ. (5)
- (c) FNAC. (5)

6. Discuss briefly :

- (a) Battle's sign. (2)
- (b) Sialolithiasis. (2)
- (c) Haemorrhagic shock. (2)
- (d) I.V. Sedation. (2)
- (e) Chielorrhaphy. (2)

FEB-19

Total No. of Questions - 6]
(2029)

[Total Pages : 2

Feb-19

7463

**B.D.S. Final Year (New Regulation) Suppl. Examination
ORAL AND MAXILLOFACIAL SURGERY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted.
Use separate answer books for Part-A and Part-B.
Draw diagrams where necessary.

PART-A

1. Classify mandibular impacted third molar. Discuss briefly various surgical steps required for extraction of horizontally impacted mandibular third molar. 10
2. Write short notes on the following :
 - (a) Complications of tooth extraction. 5
 - (b) Sinus lift procedure for maxillary implants. 5
 - (c) Anaphylaxis. 5

7463/400/777/16

[P.T.O.]

3. Discuss briefly :

- | | |
|--|---|
| (a) I and D. | 2 |
| (b) Boundaries of pterygomandibular space. | 2 |
| (c) Ionizing radiation in sterilization. | 2 |
| (d) Clindamycin. | 2 |
| (e) Silk suture. | 2 |

PART-B

4. Classify the fractures of midface. How will you manage a case of bilateral LeFort II fracture in a 33 year old female.

10

5. Write short notes on the following :

- | | |
|--------------------------------------|---|
| (a) Surgical approaches to mandible. | 5 |
| (b) Hypermobility of TMJ. | 5 |
| (c) Ridge augmentation procedures. | 5 |

6. Discuss briefly :

- | | |
|-------------------------------|---|
| (a) Craniofacial dysjunction. | 2 |
| (b) Biopsy. | 2 |
| (c) Battle's sign. | 2 |
| (d) Sagittal split osteotomy. | 2 |
| (e) Dangerous area of face. | 2 |

Aug - 18

Total No. of Questions - 6]
(2088)

[Total Pages : 2

7233

B.D.S. Final Year (New Regulation)

Annual Examination

ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-books for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. What is the difference between Oro-antral communication and Fistula. Give signs, symptoms and management of Oro-antral fistula. 10
2. Write short notes on the following :
 - (a) Ludwig's angina. 5
 - (b) Infra orbital nerve block. 5
 - (c) "WAR" lines. 5

7233/500/777/102

[P.T.O.]

3. Discuss briefly :
- (a) Role of adrenaline in LA. 2
 - (b) Austin's retractor. 2
 - (c) Management of syncope. 2
 - (d) Autoclaving. 2
 - (e) Indications of Caldwell Luc procedure. 2

PART-B

4. Classify the fractures at the angle of mandible. Discuss in detail the management of vertically unfavourable fracture of left angle of mandible in a 26 year old male. 10
5. Write short notes on the following :
- (a) Facial reanimation procedures. 5
 - (b) TNM Staging in Oral Cancer. 5
 - (c) Submandibular sialolithiasis. 5
6. Discuss briefly :
- (a) SABE prophylaxis. 2
 - (b) Guerin's fracture. 2
 - (c) Pre-anaesthetic medication. 2
 - (d) CSF Rhinorrhea. 2
 - (e) Trans-alveolar extraction. 2

Total No. of Questions – 6]
(2028)

[Total Pages : 2

Feb-18

6910

B.D.S. Final Year (New Regulation)
Suppl. Examination
ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer books for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Classify midface fractures. Discuss in detail the management of Le Fort II fracture in a 25 year old male. 10
2. Write short notes on the following :
 - (a) Vazirani Akinosi nerve block. 5
 - (b) Bicoronal incision. 5
 - (c) Sequestrectomy. 5

6910/400/777/16

[P.T.O.]

3. Write briefly about :
- (a) Coupland elevator. 2
 - (b) Distraction osteogenesis. 2
 - (c) Resorbable sutures. 2
 - (d) Pterygomandibular space. 2
 - (e) Emergency drugs in dental practice. 2

PART-B

4. Explain the term favourable and unfavourable fractures of the mandible. Describe the management of an unfavourable fracture involving right angle of mandible in an 18 year old male. 10
5. Write short notes on the following :
- (a) Management of post extraction haemorrhage. 5
 - (b) Sialadenitis. 5
 - (c) Post operative care of General Anaesthesia patient. 5
6. Write briefly about :
- (a) Pterygo mandibular space boundaries. 2
 - (b) Indications and contra indications of extraction. 2
 - (c) Gap arthroplasty of TMJ. 2
 - (d) Apicoectomy. 2
 - (e) Mucoperiosteal flaps. 2

AUG-17

Total No. of Questions – 6]
(2087)

[Total Pages : 2

6707

B.D.S. Final Year (New Regulation)
Annual Examination
ORAL AND MAXILLOFACIAL SURGERY

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-books for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Classify Mandibular impacted third molar. Discuss in detail the surgical procedure for extraction of a mesioangular impacted mandibular third molar. 10
2. Write short notes on the following :
 - (a) Submandibular space infection. 5
 - (b) Gow Gates nerve block. 5
 - (c) Cold sterilization. 5

6707/500/777/205

[P.T.O.]

3. Discuss briefly :
- (a) Cowhorn forceps. 2
 - (b) Alkayat Bramley incision. 2
 - (c) Opiod analgesics. 2
 - (d) Open reduction and internal fixation. 2
 - (e) Parade ground fracture. 2

PART-B

4. Enumerate the causes of inability to open the mouth. Describe the etiology, clinical features and management of unilateral ankylosis in a 10-year old patient. 10
5. Write short notes on the following :
- (a) Glasgow coma scale. 5
 - (b) Primordial cyst and its management. 5
 - (c) Diplopia. 5
6. Discuss briefly :
- (a) Mucocele. 2
 - (b) Anaphylaxis. 2
 - (c) Bell's palsy. 2
 - (d) Guerin's fracture. 2
 - (e) Composition of local anaesthetic solution. 2

Total No. of Questions – 6]

[Total Pages : 2

(2027) Feb 17

6352

**B.D.S. Final Year (New Regulation) Suppl. Examination
ORAL AND MAXILLOFACIAL SURGERY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer-sheets for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Classify Odontogenic tumors of the jaws. Outline the methods of treating the ameloblastoma involving mandibular body. 10
2. Write notes on the following :
 - (a) Mechanism of action of local anaesthesia. 5
 - (b) Trigeminal neuralgia. 5
 - (c) Ludwig's Angina. 5

6352/400/777/16

[P.T.O.]

3. Discuss briefly :
- | | |
|-----------------------------------|---|
| (a) C.S.F. Rhinnorrhea. | 2 |
| (b) Alveolectomy. | 2 |
| (c) Parts of syringe. | 2 |
| (d) Post extraction instructions. | 2 |
| (e) Marsupialization. | 2 |

PART-B

4. What are the various causes of Oro-Antral Communication ?
How do you diagnose and treat a case of Oro-Antral
Fistula ? 10
5. Write notes on the following :
- | | |
|------------------------|---|
| (a) Tic Douloureux. | 5 |
| (b) Healing of socket. | 5 |
| (c) Biopsy. | 5 |
6. Write briefly about the following :
- | | |
|---------------------------------|---|
| (a) Ranula. | 2 |
| (b) Penicillin. | 2 |
| (c) Shock. | 2 |
| (d) Diplopia. | 2 |
| (e) Gillie's temporal approach. | 2 |

FEB - 16

Total No. of Questions - 6]
(2026)

[Total Pages : 2

7866

**B.D.S. Final Year (New Regulation)
Supplementary Examination
ORAL AND MAXILLOFACIAL SURGERY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All questions are to be attempted.
(ii) Use separate answer-books for Part-A and Part-B.
(iii) Draw diagrams where necessary.

PART-A

1. Classify mandibular fractures. Discuss clinical features and management of fracture of right angle of mandible. 10
2. Write notes on the following :
 - (a) Syncope. 5
 - (b) Haemorrhage. 5
 - (c) Trigeminal neuralgia. 5

7866/400/777/45

[P.T.O.]

3. Write briefly about :
- (a) Principles of extraction. 2
 - (b) Guardsman fracture. 2
 - (c) Parts of syringe. 2
 - (d) Force Duction test. 2
 - (e) Maximum safe dose of lignocaine with or without adrenaline. 2

PART-B

4. Classify Local Anaesthetic agents. Discuss in detail about Inferior Alveolar Nerve-block. 10
5. Write notes on the following :
- (a) Lip Switch Technique. 5
 - (b) Dislocation and Subluxation of TMT. 5
 - (c) WAR lines. 5
6. Write briefly about :
- (a) Guerin's sign. 2
 - (b) Partsch I and II. 2
 - (c) Classification of Osteomyelitis. 2
 - (d) Boundaries of submandibular space. 2
 - (e) Haemostatic agents. 2

AUG-16

Total No. of Questions – 6]
(2086)

[Total Pages : 2

6176

**B.D.S. Final Year (New Regulation)
Annual Examination
ORAL AND MAXILLOFACIAL SURGERY**

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All questions are to be attempted. Use separate answer sheets for Part-A and Part-B. Draw diagrams where necessary.

PART-A

1. Classify Mandibular fractures. Discuss in detail the treatment of mandibular angle fracture in an 18 years old male. 10
2. Write short notes on the following :
 - (a) Principles of extraction 5
 - (b) Sialolith 5
 - (c) Dentigerous cyst. 5

6176/500/777/16

[P.T.O.]

3. Write briefly about the following :
- (a) Landmarks for inferior alveolar nerve block 2
 - (b) Suture materials 2
 - (c) Dry socket 2
 - (d) Lip switch technique 2
 - (e) Syncope. 2

PART-B

4. Classify Salivary gland diseases. Discuss in detail the surgical management of pleomorphic adenoma of palate. 10
5. Write short notes on the following :
- (a) Le Fort Lines 5
 - (b) Pre-anaesthetic medication 5
 - (c) Osteoradio necrosis. 5
6. Write briefly about the following :
- (a) Dislocation of TMJ 2
 - (b) Odontoma 2
 - (c) Trismus 2
 - (d) Gunning splint 2
 - (e) Torus palatinus. 2

OCT-2021

Total No. of Questions – 6]
(2101)

[Total Pages : 3

6944

B.D.S. Final Year (Annual) Examination
ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions and clearly mark question no.
Use separate answer book for Part-A and Part-B. Illustrate with diagrams where necessary.

PART-A

1. Classify orthodontic diagnostic aids. Discuss in detail about various orthodontic diagnostic aid which are essential. (10)
2. Write short notes on :
 - (a) Scammon's growth gradient.
 - (b) Theories of tooth eruption.
 - (c) Buccinator mechanism.
 - (d) Simon's classification. (5×4=20)

6944/500/777/198

[P.T.O.]

3. Write short answers :

(5×1=5)

- (a) Servo system theory of growth was given by
- (b) In children midline diastoma between maxillary permanent central incision closes with eruption of
- (c) Hyper active mentalis activity is seen in type of malocclusion.
- (d) Blanch test is used in the diagnosis of
- (e) study model analysis is used to predict basal bone in transverse relationship.

PART-B

4. Describe in detail the various stages of development of dentition. Write a note on importance of mixed dentition period. (10)

5. Write short notes on :

(5×4=20)

- (a) Advantages and disadvantages of removable orthodontic appliances.
- (b) Difference between Class-II div-1 and Class-II div-2.
- (c) Importance of study models in orthodontics.
- (d) Indications and contraindications of Myofunctional appliances.

6. Write short answer :

(5×1=5)

- (a) Centre of resistance of maxilla is
- (b) Optimum orthodontic force is
- (c) Mandibular plane angle in Tweedi analysis is
- (d) Soldering is done at a temperature
- (e) Define Myofunctional appliances

JUN-21

Total No. of Questions – 6]
(2031)

[Total Pages : 3

6560

B.D.S. Final Year (Suppl.) Examination
ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions. Use separate answer book for Part A and Part B. Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Describe biology of orthodontic tooth movement. Explain the various theories of tooth movement in detail. (10)
2. Write short notes on the following :
 - (a) Skeletal Maturity Indication.
 - (b) Essential Diagnostic Aids.
 - (c) Embryonic development of Mandible.
 - (d) ANB Angle. (5×4=20)

6560/300/777/904

[P.T.O.]

- 18-4072
3. (a) Name of Method of Growth Estimation.....
(b) Lower inclined plane is also known as
(c) For translational tooth movement the center of rotation is at
(d) Which of the following is not a part of Ackerman profit classification?
(i) Alignment
(ii) Profile
(iii) Type
(iv) Skeletal Component.
(e) Which of the following is not a type of mouth breathing?
(i) Obstructive
(ii) Anatomic
(iii) Habitual
(iv) Functional. (5×1=5)

PART-B

4. Classify Myofunctional Appliances and write in detail about Actuator. (10)
5. Write notes on the following :
(a) Application of cephalometric in orthodontics.
(b) Methods of gaining space in orthodontics.
(c) Adenoid faces.
(d) Etiology of Midline diastema. (10)

6. (a) Dewey's class I type 4 malocclusion is
(b) Define Interceptive orthodontics.
(c) Optimal orthodontic force is.....
(d) Angulation of incline plane of Twin block is
(e) 'Y-axis' is measured as an angle between (5×1=5)

JAN-21

Total No. of Questions - 6]
(2090)

[Total Pages : 2

6381

B.D.S. Final Year (Annual) Examination
ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions. Use separate answer book for Part A and B. Illustrate your answer with labelled diagram where necessary.

PART-A

1. Define Growth. Enumerate various theories of growth and discuss the functional matrix theory in detail. 10
2. Write short notes on :
 - (a) Self-correcting anomalies.
 - (b) Serial Extraction.
 - (c) Post Natal etiology of malocclusion.
 - (d) Jackson's Triad. (5×4=20)

6381/500/777/40

[P.T.O.]

3. (a) In cephalometrics, the line joining porion and orbitals is known as
- (b) The condition that requires permanent retention after orthodontic treatment is
- (c) Leeway space of Nance is
- (d) The father of modern orthodontics is
- (e) Myofunctional appliances act on the principle of (5×1=5)

PART-B

4. What are the keys to normal occlusion. Discuss in detail Angle's classification of malocclusion with its merits and demerits. 10
5. Write short notes on : (5×4=20)
- (a) Boltons Analysis.
- (b) Growth spurts and their implications on orthodontics.
- (c) Facial Divergence and facial profile.
- (d) Synchronosis.
6. (a) Blanch test is used in diagnosis of
- (b) Bakers anchorage is also known as
- (c) Center of Rotation is defined as
- (d) Different phases of Tooth movement are
- (e) Balancing Extraction is (5×1=5)

FEB 20

Total No. of Questions – 6]
(2020)

[Total Pages : 4

6035

B.D.S. Final Year (New Regulation)

(Suppl.) Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All the questions are to be attempted. Use separate answer-book for each Part (A and B). Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Define Growth Spurts and explain the growth of nasomaxillary complex. (10)

2. Write short notes on :

(a) Bolton's analysis.

(b) Enumerate various Skeletal maturity indicators.

(c) Etiology of open bite malocclusion.

(d) ANB angle.

(5×4=20)

6035/300/777/855

[P.T.O.]

3. Multiple choice questions :

(i) Persistent part of envelop of Meckel's cartilage is :

- (a) Stylomandibular Ligament
- (b) Sphenomandibular Ligament
- (c) Temporomandibular Ligament
- (d) Styloid Ligament.

(ii) Total Leeway space in mandibular and maxillary arch is :

- (a) 3.4 mm and 1.8 mm
- (b) 1.8 mm and 3.4 mm
- (c) 0.9 mm and 1.7 mm
- (d) 1.7 mm and 0.9 mm.

(iii) A common clinical features between Class II Division 1 and Class II Division 2 malocclusion is :

- (a) Increased Overjet
- (b) Abnormal buccinators activity
- (c) Backward path of closure
- (d) Distocclusion.

(iv) When heavy orthodontic force are applied resorption will be :

- (a) Facial
- (b) Lingual
- (c) Direct
- (d) Undermining.

(v) Edgewise bracket has :

- (a) Horizontal slot
- (b) Vertical Slot
- (c) Both of the above
- (d) None of the above.

(1×5=5)

PART-B

4. Explain treatment procedure in a child of 8 yrs with a deficient maxilla, appliance used, mode of action. (10)

5. Write short notes on :

- (a) Physiological spaces
- (b) Jackson triad
- (c) Keys to normal occlusion
- (d) Anterior bite plane.

(5×4=20)

6. Multiple choice questions :

- (i) Twin Block was given by.....
- (ii) FR 3 is used for which type of malocclusion?
- (iii) FH plane is formed by

(iv) Camouflage treatment is best avoided in :

- (a) Mild to moderate skeletal class 2 malocclusion
- (b) Severe skeletal class 3 malocclusion
- (c) Good vertical proportion of the face
- (d) None of the above.

(v) At birth the head is

- (a) 50% of total body length
- (b) 30% of total body length
- (c) 40% of total body length
- (d) 45% of total body length.

(1×5=5)

FEB-19

Total No. of Questions - 6]
(2029)

[Total Pages : 4

7459

**B.D.S. Final Year (New Regulation)
(Suppl.) Examination**

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :**
- (i) All the questions are to be attempted.
 - (ii) Use separate answer book for each part (A & B).
 - (iii) Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Define and classify habits. Explain the effects of thumb sucking habit on stomatognathic system. (10)
2. Write short notes on :
 - (a) Role of panoramic radiographs in orthodontics. 5
 - (b) Compare Sicher's & Moss's theory of growth. 5

7459/400/777/12

[P.T.O.]

- (c) Etiology of Class III malocclusion. 5
(d) Buccinator mechanism. 5

3. Multiple choice questions : (1 mark each)

- (i) Which of the following is not a component of Van Limburgh's theory of growth.
(a) General epigenetic factor.
(b) Local environmental factor.
(c) General genetic factor.
(d) General environmental factor.
- (ii) Three-dimensional classification of occlusion was given by
(a) Melvin Moss.
(b) Simon.
(c) Petrovic.
(d) Angle.
- (iii) Which of the following is not a mixed dentition analysis ?
(a) Huckaba's analysis.
(b) Tanaka & Johnson analysis.
(c) Bjork analysis.
(d) Hixon-oldfather analysis.

- (iv) Hyperactive mentalis muscle is a prominent feature of
(a) Class I.
(b) Class II div 1.
(c) Class II div 2.
(d) Class III.
- (v) When light orthodontic force are applied resorption will be
(a) Facial.
(b) Lingual.
(c) Direct.
(d) Undermining.

PART-B

4. What are the various methods of gaining space, describe extraction in orthodonties. (10 marks)
5. Write short notes on : (5 marks each)
(a) Reverse pull Headgear.
(b) Incisor liability.
(c) Causes of Relapse in Orthodontics.
(d) RME.

6. Multiple choice questions/short question :

- (a) Activator was given by 1
- (b) Name one tissue borne functional appliance. 1
- (c) Define Growth center. 1
- (d) According to Scammon's growth curve, general tissues follow what type of growth curve? 1
- (e) What does 18-8 in Stainless steel wire mean? 1

Aug-19

Total No. of Questions – 6]
(2089)

[Total Pages : 3

7814

B.D.S. Final Year (Annual) Examination
ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : All the questions are to be attempted. Use separate answer-book for each Part (A & B). Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Define & enumerate various classifications of malocclusion.
Discuss in detail Ackermann Profit Classification. (10)

2. Write short notes on :

- (i) Functional Matrix Theory.
- (ii) Importance of Lateral Cephalograms in Orthodontics.
- (iii) Mouth breathing & Orthodontics.
- (iv) Ashley-Howe's analysis. (5×4=20)

7814/500/777/102

[P.T.O.]

3. Multiple choice questions : (5×1=5)

- (i) Pharyngeal muscle which forms a part of buccinators mechanism is
- (a) Palatopharyngeous
 - (b) Inferior Constrictor
 - (c) Superior Constrictor
 - (d) Middle Constrictor.
- (ii) For controlled tipping of tooth, its center of rotation is at
- (a) Incisal edge
 - (b) The bracket
 - (c) Infinity
 - (d) The root apex.
- (iii) Incisor Liability is :
- (iv) If premolar erupts in place of canine, it is called as
- (v) Name one method to estimate growth

PART-B

4. Define Orthodontic anchorage. Classify them. Discuss the uses of extraoral anchorage in orthodontics. (10)

5. Write short notes on :

- (a) Theories of retention.
- (b) Scammon's growth curve.
- (c) Y-Axis.
- (d) Growth spurts. (5×4=20)

6. Multiple choice questions :

(5)

- (i) Orthodontic brackets attach directly to the tooth are retained by :
- (a) Compressive force
 - (b) Hydrostatic pressure
 - (c) Mechanical bond
 - (d) Chemical bond.
- (ii) Adams clasp for premolar is made using the following diameter wire :
- (a) 0.8 mm
 - (b) 0.7 mm
 - (c) 0.6 mm
 - (d) 0.5 mm.
- (iii) Angulation of incline in Twins Block is
- (iv) 18-8 in Stainless Steel wire is
- (v) Define Interceptive orthodontics.

Aug-18

Total No. of Questions – 6]
(2088)

[Total Pages : 3

7229

B.D.S. FINAL Year (New Regulation)

Annual Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All the questions are to be attempted.
(ii) Use separate answer-book for each Part A and B.
(iii) Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Define growth and development. Explain different methods of studying growth. (10)
2. Write short notes on the following :
 - (i) Steiners cephalometric analysis.
 - (ii) Advantages and disadvantages of Angles Classification.
 - (iii) Adenoid Facies.
 - (iv) Boltan's Analysis. (5×4=20)

7229/500/777/98

[P.T.O.]

3. Multiple choice questions :

- (i) Which of the following condition is usually present in Class II division 1 malocclusion ?
(a) Increased Overjet
(b) Maxillary canines displaced buccally
(c) Increased Mandibular length
(d) Shallow palatal vault. (1)
- (ii) Maxillary Bone Develops by
(a) Cartilage Replacement
(b) Subperiosteal growth only
(c) Intramembranous bone formation
(d) Endochondrial bone formation. (1)
- (iii) The first tissue to react when orthodontic forces are applied is
(a) PDL
(b) Cementum
(c) Dentin
(d) Alveolar bone. (1)
- (iv) Arch perimeter is measured by
(a) Cephalogram
(b) Brass wire
(c) Vernier caliper
(d) Occlusal radiograph. (1)
- (v) A tooth will translate when its center of rotation is at
(a) Incisal edge
(b) The bracket
(c) Infinity
(d) The root apex. (1)

PART-B

4. Define Myofunctional appliances. Briefly write about any one myofunctional appliance along with its indications, contraindications and uses. (10)
5. Write short notes on the following :
(a) Cleft lip and palate. (5)
(b) Retention in orthodontics. (5)
(c) Ugly duckling stage. (5)
(d) Growth of mandible. (5)
6. Multiple choice question/short question :
(i) Most of the leeway space is contributed by which tooth? (1)
(ii) For labial movement of incisors, Z spring is activated by
(a) By opening only upper helix by 2-3 mm
(b) By opening only lower helix by 2-3 mm
(c) By opening both helices by 2-3 mm
(d) By closing both helices by 2-3 mm (1)
(iii) Name parts of the Adam's clasp (1)
(iv) Advantage of NiTi wire (1)
(v) Define preventive orthodontics (1)

FEB-18

Total No. of Questions – 6]
(2028)

[Total Pages : 3

6906

B.D.S. Final Year (New Regulation)

Suppl. Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All questions are to be attempted.
(ii) Use separate answer-sheets for Part-A and Part-B.
(iii) Illustrate your answer with labelled diagram where necessary.

PART-A

1. Discuss in detail various etiological factors of malocclusion. (10)
2. Write short notes on the following :
 - (a) Pressure Tension theory.
 - (b) Down's analysis.
 - (c) Thumb sucking.
 - (d) Anterior cross bite. (4×5=20)

6906/400/777/12

[P.T.O.]

3. Multiple type questions :

- (i) Blanch test is used in the diagnosis of
 - (a) Tongue thrusting
 - (b) Thumb sucking
 - (c) Abnormal frenal attachment
 - (d) Pseudo Class III.
- (ii) In gnathostatic models
 - (a) Maxillary cast is parallel to Mandibular cast
 - (b) Maxillary cast I parallel to FH Plane
 - (c) Mandibular cast is parallel to FH Plane
 - (d) Both the cast are parallel to each other.
- (iii) Bolton analysis is used to determine
 - (a) Arch length-tooth size discrepancy
 - (b) Apical base length to arch perimeter
 - (c) Upper tooth to lower tooth size ratio
 - (d) tooth size ratio in maxilla.
- (iv) Angle which does not change by orthodontic treatment ?
 - (a) SNA
 - (b) SNB
 - (c) Saddle angle
 - (d) ANB angle.
- (v) Closed bite is seen in which type of malocclusion
 - (a) Class I
 - (b) Class II div 1
 - (c) Class II div 2
 - (d) Class III.

(5×1=5)

PART-B

4. Define anchorage and explain various types of anchorage in orthodontics. (10)

5. Write short notes on the following :

- (a) Controlled and uncontrolled tipping.
- (b) Expansion in orthodontics.
- (c) Space maintainer.
- (d) Twin Block appliance.

(5×4=20)

6. Objective type questions :

- (i) Stainless steel used in orthodontics is
- (ii) Centre of rotation in bodily tooth movement is.
 - (a) In the apex
 - (b) Just above the centre of resistance
 - (c) Infinity
 - (d) None of the above.
- (iii) Define preventive orthodontics.
- (iv) Wilkinson extraction is extraction of four
- (v) BSSO is indicated in surgical correction of
 - (a) Skeletal Class II
 - (b) Skeletal Class III
 - (c) Obstructed sleep apnea
 - (d) All the above.

(5×1=5)

AUG-17

Total No. of Questions – 6]
(2087)

[Total Pages : 4 .

6703

B.D.S. Final Year (New Regulation)

Annual Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All questions are to be attempted.
(ii) Use separate answer-sheets for Part-A and Part-B.
(iii) Illustrate your answer with labelled diagram where necessary.

PART-A

1. Define Malocclusion. Enumerate the various classification systems of malocclusion, and discuss Ackermann Profit classification in detail. 10
2. Write short notes on the following :
 - (a) Phases of Orthodontic tooth movement.
 - (b) Functional matrix theory.
 - (c) Methods of studying Bone growth.
 - (d) Midline diastema. (4×5=20)

6703/500/777/204

[P.T.O.]

3. Objective type questions

- (i) Which of the following organ systems increases to 200% the adult size before puberty ?
- (a) Somatic
 - (b) Genital
 - (c) Neural
 - (d) Lymphoid.
- (ii) Growth of maxilla in vertical direction is due to
- (a) Growth of alveolus
 - (b) Growth at sutures
 - (c) Growth of cranial base
 - (d) Growth of synchondrosis.
- (iii) Difference in the width of permanent and primary incisors is
- (a) Incisal guidance
 - (b) Overjet
 - (c) Incisor liability
 - (d) Incisor labiality.
- (iv) The condition in which canine is placed anterior to orbital plane is
- (a) Abstraction
 - (b) Protraction
 - (c) Attraction
 - (d) Contraction. (4×1.25=5)

PART-B

4. Define and classify orthodontic appliances. What are the components of removable appliance ? Add a note on Labial bow. 10
5. Write short notes on the following :
- (a) Simple and Stationary anchorage.
 - (b) Head gear.
 - (c) Extractions in Orthodontics.
 - (d) Lip bumper. (5×4=20)
6. Multiple choice questions
- (i) Serial extraction in Dewel's method is
- (a) D-4-C
 - (b) C-D-4
 - (c) D-C-4
 - (d) D-E-4.
- (ii) Oral screen is
- (a) Habit breaking appliance
 - (b) Myofunctional appliance
 - (c) Muscle exercise appliance
 - (d) All the above.

- (iii) Frenectomy is done
- (a) Before Orthodontic treatment
 - (b) After Orthodontic treatment
 - (c) Before eruption of maxillary permanent canine
 - (d) None of the above.
- (iv) Bilateral sagittal split osteotomy is for correction of
- (a) Skeletal class II malocclusion
 - (b) Skeletal class III malocclusion
 - (c) Obstructive sleep apnea
 - (d) All the above.
- (4×1.25=5)
-

FEB-17

Total No. of Questions – 6]
(2027)

[Total Pages : 4

6348

B.D.S. Final Year (New Regulation) Suppl. Examination
ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All questions to be attempted.
(ii) Use separate answer sheets for Part-A and Part-B.
(iii) Illustrate your answers with labelled diagrams where necessary.

PART-A

1. Describe Prenatal and Postnatal growth of mandible and its clinical implication in orthodontics. 10
2. Write short notes on the following :
 - (a) Growth spurts and its clinical importance.
 - (b) Self-correcting anomalies.
 - (c) Adenoid facis.
 - (d) Tweed Analysis. (4×5=20)

6348/400/777/12

[P.T.O.]

3. Objective type questions :

(i) Natal teeth are defined as :

- (a) Teeth present at the time of birth
- (b) Teeth erupting in 2-3 months
- (c) Teeth erupting after 1 year of age
- (d) Teeth erupting after 2 years of age.

(ii) Retention in removable appliance is obtained by :

- (a) Z-Spring
- (b) Adams clasp
- (c) Labial bow
- (d) Retraction spring.

(iii) Frankfort horizontal plane extend from :

- (a) Nasion to Porion
- (b) Porion to Orbitale
- (c) Nasion to Orbitale
- (d) Gonion to Orbitale.

(iv) The amount of Leeways space of Nance in each half of maxillary arch is :

- (a) 0.9 mm
- (b) 1.7 mm
- (c) 3.4 mm
- (d) 1.8 mm

(v) Class II Div. 2 malocclusion is always associated with :

- (a) Open bite
- (b) Deco bite
- (c) Scissor bite
- (d) Cross bite

(5×1=5)

PART-B

4. Define Class III malocclusion, discuss its etiology and management. 10

5. Write short notes on the following :

- (a) Simple and stationary anchorage.
- (b) RME.
- (c) Space maintainer.
- (d) Mixed dentition analysis.

(4×5=20)

6. Objective type questions :

- (i) Anterior bite plane is used to correct
- (ii) Two blocks in twin block appliance are angulated at
- (iii) In bodily tooth movement the centre of rotation is at

(iv) Suggested activation pattern in RME is :

- (a) 1 mm/day
- (b) 1 mm/week
- (c) 1 mm/month
- (d) All of the above.

(v) The main criteria of serial extraction is :

- (a) Canine impaction
- (b) Missing premolar
- (c) Class II div. 1 malocclusion
- (d) Crowding of deciduous dentition. (5×1=5)

Aug-16

Total No. of Questions – 6]
(2086)

[Total Pages : 4

6172

B.D.S. Final Year (New Regulation)

Annual Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) All questions are to be attempted.
(ii) Use separate answer-sheets for Part-A and Part-B.
(iii) Illustrate your answer with labelled diagrams where necessary.

PART-A

1. Enumerate various theories of growth and development.
Discuss functional matrix theory of growth in detail. (10)
2. Write short notes on the following : (4×5=20)
 - (a) Ackermann Profit Classification.
 - (b) Buccinator Mechanism.
 - (c) Leeways space and Primate space.
 - (d) Classify Diagnostic Aids.

6172/500/777/12

[P.T.O.]

3. Objective type questions :

(5×1=5)

(i) ANB angle is used to assess

- (a) Sagittal jaw discrepancy
- (b) Vertical jaw discrepancy
- (c) Soft tissue profile
- (d) Crowding.

(ii) Anterior Bolton Ratio is

- (a) 91.3%
- (b) 98%
- (c) 77.2%
- (d) 100%.

(iii) Well aligned deciduous dentition is an indication for

- (a) Potential spacing
- (b) Potential crowding
- (c) Disto-occlusion
- (d) Mesio-occlusion.

(iv) After RME evidence of midsagittal suture break is assessed by

- (a) OPG
- (b) Lateral Cephalogram
- (c) Upper occlusal radiograph
- (d) Lower occlusal radiograph.

(v) Classical adenoid face is associated with

- (a) Thumb sucking habit
- (b) Tongue thrusting habit
- (c) Mouth breathing
- (d) Lip biting.

PART-B

4. Define Disto-occlusion. Describe the various growth modulation technique to intercept class II malocclusion.

(10)

5. Write short notes on the following :

(4×5=20)

- (a) Method of gaining space.
- (b) Stages of Orthodontic tooth movement.
- (c) Orthognathic treatment of Prognathic and Retrognathic mandible.
- (d) Causes of relaps.

6. Objective type questions :

(5×1=5)

(i) Rotation of teeth is best corrected by

- (a) Hawleys appliance
- (b) Buccal retractor
- (c) Fixed appliance
- (d) All of the above.

- (ii) Simple anchorage refer to
 - (a) Closure by tipping
 - (b) Closure by bodily movement
 - (c) Closure by rotation
 - (d) Closure by intrusion.
- (iii) A helix in cantilever spring is placed for
 - (a) Activation
 - (b) Increasing the flexibility and range
 - (c) Esthetics
 - (d) Retention.
- (iv) Contraindication of activator are all *except*
 - (a) High FMA
 - (b) Prognathic maxilla
 - (c) Growing patient
 - (d) Severe crowding.
- (v) To stop the growth of maxilla headgear applies force in the range of
 - (a) 200-400 gm/side
 - (b) 400-800 gm/side
 - (c) 200-400 gm total
 - (d) 300-400 gm total.

FEB-16

Total No. of Questions – 6]
(2026)

[Total Pages : 5

7862

B.D.S. Final Year (New Regulation)

Supplementary Examination

ORTHODONTICS AND DENTAL ORTHOPAEDICS

(Theory)

Time : Three Hours]

[Maximum Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :**
- (i) All questions are to be attempted.
 - (ii) Use separate answer-sheets for Part-A and Part-B.
 - (iii) Illustrate your answer with labelled diagram where necessary.

PART-A

1. Define Growth and Development. Discuss sutural theory of growth and its relative contribution of maxillary growth. 10

7862/400/777/41

2

1111111111[P.T.O.]

2. Write short notes on the following :

- (a) Periosteal and Capsular matrices. 5
- (b) Akerman Profit classification. 5
- (c) Benninghoff's trajectorial theory. 5
- (d) Buccinator mechanism. 5

3. Objective Type Questions.

- (i) Shallow mantolabial sulcus is seen in
 - (a) Class II div 1 malocclusion
 - (b) Class II div 2 malocclusion
 - (c) Class III malocclusion
 - (d) Lip trap.
- (ii) Centre of rotation for tooth when only a couple is applied is located at
 - (a) Infinity
 - (b) At junction of apical and middle third
 - (c) At centre of resistance
 - (d) At apex of the root.
- (iii) Which one of the following is *not* correct ?
 - (a) Chief complaint must a part of treatment plan
 - (b) Diagnostic records should be prepared before clinical examination
 - (c) Orthodontic diagnosis is a prioritized problem list
 - (d) Orthodontic treatment plan is an art form.

(iv) Unilateral crossbite at 8 yrs with functional shift of mandible is best treated with

- (a) Unilateral expansion of affected side
 - (b) Bilateral expansion
 - (c) Muscle exercise
 - (d) Observation and no active intervention.
- (v) Orthodontic correction that is easiest to retain
- (a) Spacing
 - (b) Crowding
 - (c) Rotation
 - (d) Anterior cross bite. (1×5=5)

PART-B

4. Describe in detail the various biomechanical reactions that happen in response to heavy and light orthodontic forces. 10

5. Write short notes on the following :

- (a) Stationary anchorage. 5
- (b) Downs analysis. 5
- (c) Reverse pull headgear. 5
- (d) Orthodontic and Orthopaedic forces. 5

6. Objective Type Questions.

- (i) The suggested activation pattern in RME is
- (a) 1 mm/day
 - (b) 1 mm/week
 - (c) 1 mm/month
 - (d) All of the above.
- (ii) Most important in planning for a space maintainer is
- (a) Age of child
 - (b) Amount of bone covering erupting permanent tooth
 - (c) Stage of development of permanent tooth
 - (d) Economic factor.
- (iii) Age upto which thumb sucking is acceptable
- (a) Below 1 year
 - (b) 2 years
 - (c) 3 to 4 years
 - (d) 5 to 6 years.
- (iv) When light force is applied, resorption will be
- (a) Facial
 - (b) Lingual
 - (c) Direct
 - (d) Undermining.

- (v) Orthodontic correction is indicated in pre-school age child for the following *except*

- (a) Anterior crossbite
- (b) Narrow upper arch
- (c) Abnormal oral habits
- (d) Class III malocclusion.

(1×5=5)