Q.P.CODE:427/411

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008 BDS DEGREE EXAMINATION – JULY/AUGUST, 2017 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION

# **ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**

Time: 3 Hours Max. Marks: 70

Note: Answer all questions.

- 1) Define retention and relapse. Write in detail the theorems of 2+2+5=9 retention.
- 2) What are the stages of development of dentition? Write in detail about the self-correcting malocclusions.

# **WRITE SHORT NOTES ON:**

8x4 = 32

- 3) Piezoelectric theory of tooth movement
- 4) Risks of orthodontic treatment
- 5) Cartilaginous theory of growth
- 6) Broadbent phenomena
- 7) Steiner's analysis
- 8) Adams clasp and its modifications
- 9) Nitinol archwires
- 10) Space maintainers

10x2=20

# **WRITE BRIEFLY ON:**

- 11) Interceptive orthodontic procedures
- 12) Careys analysis
- 13) Chin cap
- 14) Pericision
- 15) Curve of spee
- 16) Keys to occlusion
- 17) Crossbite
- 18) Leeway space
- 19) Moment of a force
- 20) Elgiloy

# DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008 BDS DEGREE EXAMINATION – JANUARY, 2017 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION

# **ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**

Time: 3 Hours Max. Marks: 70

	·	
21)	Discuss the various methods of gaining space. Write in detail	5+4=9
	about proximal stripping procedure.	
22)	Define anchorage. Discuss in detail about the various sources	2+7=9
	of anchorage.	
	WRITE SHORT NOTES ON:	8x4=32
23)	Simon's classification	
24)	Postnatal growth of mandible	
25)	Transient malocclusion	
26)	Sterilization in orthodontics	
27)	Slow expansion devices	
28)	Reverse pull headgears	
29)	Fixed retainers	
30)	Angle's class II division II malocclusion	10.0.00
	WOITE PRIFFIN ON	10x2=20
	WRITE BRIEFLY ON:	
21\	Finger spring	
31) 32)	Helical canine retractor	
32) 33)	Types of tooth movement	
34)	Tweed's analysis	
35)	Catalan's appliance	
36)	Uses of Panoramic Radiograph	
37)	Types of growth data	
38)	Jackson's triad	
39)	Canine guided occlusion	
40)	Lip bumper	
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DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008
BDS DEGREE EXAMINATION – JULY/AUGUST, 2016
FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION

**ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS** 

Time: 3 Hours Max. Marks: 70

Note: Answer all questions. 41) Enumerate theories of retention. Add a note on causes of 5+4=9relapse. 42) Discuss the various treatment options for a 9 year old boy 9 presenting with a skeletal and dental class II Division I malocclusion. 8x4 = 32WRITE SHORT NOTES ON: 43) RME (Rapid Maxillary Expansion) 44) Thumb sucking habit Merits and demerits of Angle's classification 46) Hand wrist X-Ray; A skeletal maturity indicator 47) Serial extractions Ackerman Proffit's classification of malocclusion 48) 49) Down's Analysis 50) Classification of springs 10x2=20**WRITE BRIEFLY ON:** 51) Enumerate various modifications of activator 52) Six keys to normal occlusion 53) Angle (<) ANB 54) Bolton's Model Analysis 55) Pseudo class III malocclusion 56) Adam's Clasp 57) Growth site V/s Growth centre

58) Pericision59) Facial index

60) Distal shoe space maintainers

# DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP BDS DEGREE EXAMINATION – JANUARY, 2016 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

61)	Enumerate various theories of Growth. Write in detail 5+4=9 about functional matrix theory.	
62)	Describe the various methods of gaining space. Explain 5+4=9 in detail about maxillary expansion	
	WRITE SHORT NOTES ON: 8x4=32	
63)	Simon's classification of malocclusion	
64)	Recent advances in orthodontic diagnostic aids	
65)	Steiner's analysis	
66)	Mouth breathing habit	
67)	Histological changes following extreme forces	
68)	Reinforced anchorage	
69)	Moyer's analysis	
70)	Fixed space maintainer	
	WRITE BRIEFLY ON: 10x2=20	
71)	Synchondrosis	
72)	Centre of resistance	
73)	Ideal requirement of orthodontic wire	
74)	Safety valve mechanism	
75)	Chin Cap	
76)	Open Bite	
77)	Midline diastema	
78)	Types of orthodontic force	
79)	Oral screen	
80)	Tweed's diagnostic triangle	

# DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008 BDS DEGREE EXAMINATION – JULY / AUGUST, 2015 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION

# **ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS**

Time: 3 Hours Max. Marks: 70

1)	Define orthodontic appliance. Explain principles of appliance designing.	2+7=9
2)	Classify etiology of malocclusion and explain local factors causing malocclusion.	4+5=9
	WRITE SHORT NOTES ON:	8x4=32
3)	Begg Vs Straight wire appliance	
4)	Serial extractions	
5)	Reverse pull headgear	
6)	Twin block	
7)	Management of cross bite	
8) 9)	Thumb sucking habit Undermining resorption	
10)	Wilkinson's extraction	
10)	WIRITSON 3 CAUGGION	10x2=20
	WRITE BRIEFLY ON:	
11)	Sphenoccipital synchondrosis	
12)	Leeway Space of Nance	
13)	Effect of drugs on orthodontic treatment	
14)	Pubertal growth spurt	
15)	Frankfort horizontal plane	
16)	SNA & SNB	
17)	Functional space maintainer	
18) 19)	Pericision Stripping	
20)	Controlled and uncontrolled tipping	
20)		

# BDS DEGREE EXAMINATION – JANUARY, 2015 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

Note: Answer all questions.

- 21) Define optimum force. Classify and discuss 2+3+4=9 Orthodontic forces.
- 22) Define and classify myofunctional appliances. 2+3+2+2=9
  Discuss indications and mode of action of Activator.

# **WRITE SHORT NOTES ON:**

8x4 = 32

- 23) Self correcting anomalies
- 24) Orthodontic study models
- 25) Cephalometrics: Uses, advantages and disadvantages
- 26) Space maintainers
- 27) Tweeds analysis
- 28) Importance of Medical History in Orthodontics
- 29) Adam's clasp and modifications
- 30) Growth of the cranial base

# **WRITE BRIEFLY ON:**

10x2=20

- 31) Jackson's triad
- 32) Visual treatment objective
- 33) Clinical features of cleft lip and palate
- 34) Cephalic index
- 35) Ponts analysis
- 36) Canine Retractors
- 37) Rotation
- 38) 'Y' Axis
- 39) Safety valve mechanism
- 40) Z Spring

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# BDS DEGREE EXAMINATION – JULY, 2014 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

1)	Classify etiology of malocclusion. Discuss in detail 3+6=9 the various local etiological factors causing
	the various local etiological factors causing malocclusion.
2)	Define interceptive Orthodontics. Discuss in detail 2+7=9
2)	various serial extraction procedures
	WRITE SHORT NOTES ON: 8x4=32
	WKITE SHOKT NOTES ON.
3)	Endochondral type of bone formation
4)	Management of mouth breathing habit
5)	Essential diagnostic aids
6)	Theories of tooth movement
7)	Extra oral sources of anchorage
8)	Components of removable appliances
9)	Preventive Orthodontics
10)	Relapse in Orthodontics
	WRITE BRIEFLY ON: 10x2=20
11)	Hyrax
12)	Types of tooth movement
13)	Active components of fixed appliance
14)	Father of modern Orthodontics and two of his
	contributions
15)	Define development
16)	Name different fixed appliance systems
17)	Name some slow expansion devices
18)	Oral screen
19)	Mickel's cartilage
20)	Ankylosis
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# BDS DEGREE EXAMINATION – JANUARY, 2014 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

4	1)	Define habits. Classify and discuss in detail the 2+3+4=9 features of tongue thrusting habit and its treatment modalities.	
4	2)	Mention the theories of growth, write about functional 5+4=9 matrix hypothesis with examples	
		WRITE SHORT NOTES ON: 8x4=32	
4	3)	) Methods of studying bone growth	
4	4)	Ackerman and Proffit's classification	
4	5)	) Bolton's analysis	
4	6)	Clinical features of Class II div 2 malocclusion	
4	7)	) Lip bumper	
4	8)	Classify etiological factors in malocclusion	
4	9)	) Undermined resorption	
5	(0)	Theories of retention.	
		WRITE BRIEFLY ON: 10x2=20	
5	1)	) Double cantilever spring	
5	2)	) Baker's Anchorage	
5	3)	18-8 Stainless Steel	
5	(4)	) Piezoelectric theory	
5	55)	) Oral screen	
5	6)	) Catalans appliance	
5	57)	SNA and SNB angle	
5	(8	) Pericision	
5	9)	) Pterygoid response	
6	0)	) Spheno-occipital synchondrosis	

# BDS DEGREE EXAMINATION – JANUARY/FEBRUARY, 2013 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

Note: Answer all questions.

61)	Define and classify Malocclusion. Describe in detail the role of Lip Biting habit in the development of Malocclusion.	2+3+4=9
62)	Define Growth and development. Write in detail about postnatal growth of mandible.	2+7=9
	WRITE SHORT NOTES ON:	8x4=32
63)	Flush Terminal Plane	
64)	Canine retractors	
65)	Tissue response to orthodontic force application	
66)	Oral Screen	
67)	Molar Distalization	
68)	Rapid Palatal expansion	
69)	Functional Space maintainer	
70)	Moyer's Mixed Dentition Analysis	
	WRITE BRIEFLY ON:	10x2=20
71)	Proximal stripping	
72)	Permanent Retention	
73)	Reciprocal anchorage	
74)	Jackson's Triad	
75)	Components of Fixed appliances	
76)	Elgiloy wires	
77)	Pericision	
78)	Deep bite	
79)	Flux	
80)	Tweeds Triangle	

427/411

# BDS DEGREE EXAMINATION – AUGUST, 2013 FOURTH (NR) & FINAL BDS (NR&OR) EXAMINATION ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Time: 3 Hours Max. Marks: 70

Note: Answer all questions.

81)	Define interceptive Orthodontics and explain serial extraction in detail.	9
82)	Discuss histological changes during orthodontic tooth movement.	9
	WRITE SHORT NOTES ON:	8x4=32
83)	Steiner's analysis	
84)	Mouth breathing habit	
85)	Hand – Wrist X rays	
86)	Local causes of Malocclusion	
87)	Activator	
88)	Anchorage	
89)	Expansion screws	
90)	Therapeutic extractions.	
	WRITE BRIEFLY ON:	10x2=20
91)	Space regainer	
92)	Scammon's growth curve	
93)	Adam's clasp and its advantages	
94)	Open bite	
95)	`Y' Axis	
96)	Nasolabial angle	
97)	Midline Diastema	
98)	Wolfe's law of bone transformation	
99)	Simple and complex tongue thrust	
100	Advantage and disadvantage of removable appliance	

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# 427/411-BDS DEGREE EXAMINATION – JANUARY/FEBRUARY, 2013

Fourth (nr) & final bds (nr&or) examination-Orthodontics & dentofacial orthopaedics Time: 3 Hours-Max. Marks: 70-Answer all questions.

- 1..Define and classify Malocclusion. Describe in detail the role of Lip Biting habit in the development of Malocclusion=2+3+4=9m
- 2..Define Growth and development. Write in detail about postnatal growth of mandible=2+7=9m Write Short Notes On:  $8 \times 4=32m$
- 3..Flush Terminal Plane 4..Canine retractors 5.Tissue response to orthodontic force application
- 6..Oral Screen 7..Molar Distalization 8..Rapid Palatal expansion
- 9. Functional Space maintainer 10. Moyer's Mixed Dentition Analysis

Write Briefly On: 10 x 2=20m

- 11.Proximal stripping 12.Permanent Retention 13.Reciprocal anchorage 14.Jackson's Triad
- 15. Components of Fixed appliances 16. Elgiloy wires 17. Pericision 18. Deep bite 19. Flux 20. Tweeds Triangle

# 427/411-BDS DEGREE EXAMINATION – AUGUST, 2012

Fourth nr) & final bds nr&or) examination-Orthodontics & dentofacial orthopaedics-Time : 3 Hours-Max. Marks : 70-Answer all questions.

- 1..Define Anchorage. Explain various types of Anchorage with suitable examples=9m
- 2.. Treatment planning of Skeletal class III malocclusion in adult patient=9m

Write Short Notes On: 8 x 4=32m

- 3..Ackerman and Proffit classification 4..Stainless steel 5..Adam's clasp and modifications
- 6.. Trajectories of forces 7.. Functional Matrix theory 8.. Classify springs
- 9...Serial Extraction 10.Space maintainers.

Write briefly on:  $10 \times 2=20 \text{m}$ 

11.FMA 12.Catlan's appliance 13.Scissor's Bite 14.Growth Centre 15.Expanding 'V' Principle 16.Spot Welding 17.Incisor Liability 18.Frankel's Philosophy 19.Treatment of Midline diastema 20.Profile Analysis.

# **427-FOURTH BDS (N.R) DEG. EXAMINATION – MARCH, 2012-ORTHODONTICS &** DENTOFACIAL ORTHOPAEDICS-Time: 3 Hours-Max. Marks: 70-Answer all questions.

- 1..Classify Myofunctional appliances. Name the components of Frankel II appliance and describe in detail its mode of action=9m
- 2...What are the various Diagnostic aids in Orthodontics? Write in detail about the clinical examination and case history record=9m

Write Short Notes On:8 x 4=32m

- 3. Mouth breathing habit 4. Extraoral Anchorage 5. Ugly Duckling stage
- 6. Limitations of Angle's classification 7. Buccinator Mechanism 8. Growth spurts
- 9. Hand wrist radiograph 10. Methods of gaining space in Orthodontics

Write briefly on: 10 x 2=20m

11.Genioplasty12.Flush Terminal Plane13.Soldering14.Coffins spring15.Proximal Stripping16.Blanch Test17.Treatment of anterior crossbite18.Vital staining19.Distal shoe space maintainers20.Aims of Orthodontic treatment

# 411-FINAL BDS (O.R) DEG. EXAM-JAN., 2012-ORTHODONTICS & DENTOFACIAL

- 1..Discuss the histological changes during orthodontic tooth movement=9m
- 2...Classify cleft lip and palate. Describe the orthodontic management of the same=9m

Write Short Notes On: 8 x4=32m

- 3..Micro implants in orthodontics 4..Muscles of mastication
- 5.. Endochondral and intramembranous bone formation 6. Class II Div I v/s Class II Div II
- 7. Steiner's analysis 8. Tongue thrust habit 9. Retention in Orthodontics

10. Clinical application of growth and development

Write Briefly On: 10 x2=20m

11.Camouflage treatment 12.Cephalostat 13.Gum pads 14.Cross bites 15.E.H. Angle and his contributions 16.Evaluation of smile 17.Components of fixed appliances 18.Ashley How's analysis 19.Define orthodontics 20.Finger spring

101

427/411-FINAL BDS DEG. EXAMINATION – JULY, 2011-ORTHODONTICS &

Department of Library & Information Center

- 1..Define Growth. Mention the various theories of growth and discuss in detail the functional matrix hypothesis=9m
- 2..Define optimum Orthodontic force. Discuss the various theories of tooth movement=9m Write Short Notes On: $8 \times 4 = 32m$
- 3..Down's Analysis 4..Serial Extractions 5..Treatment of class III malocclusion
- 6.. Andrew six keys of normal occlusion 7.. Treatment of midline diastema
- 8...Spheno-occipital synchondrosis 9..Frankel's appliance

10.Space Maintainers

Write Briefly On: 10 x 2 =11.Catalan's appliance 12. Antiflux 13. Rotation 14..Meckel's cartilage 15. Apertognathia 16. Pericision 17. Wilkinson's Extraction

18..Bakers anchorage 19. Face Mask 20. Facial divergence

# 411-FINAL BDS DEGREE EXAMINATION – FEBRUARY, 2011-ORTHODONTICS

- 1.. Classify diagnostic aids. Discuss in detail the essential diagnostic aids=9m
- 2..Define habits. Classify and discuss in detail the features of tongue thrusting habit and its treatment modalities=9m
- Write short notes on:  $8 \times 4 = 3$ . Role of X-rays in orthodontics 4. Undermining Resorption
- 5. Transient Malocclusion 6. Minor Surgical Procedures in Orthodontics 7. Features of anterior open bite

8. Buccinator mechanism 9. Trajectories of forces 10. Andersons activator

Write briefly on:  $10 \times 2 = 20 \text{m}$ 

- 11.Gum pads 12.Electromyography 13.Frankfort Horizontal Plane 14.Force and couple
- 15. Careys analysis 16. Molar tubes 17. Imbrication 18.18/8 stainless steel
- 19. Tweeds triangle 20. Hawleys appliance

# 411-FINAL BDS DEGREE EXAMINATION – JULY, 2010-ORTHODONTICS

# PART-A

- 1. Define and classify myofunctional appliances. Discuss the indications and mode of action of Activator=9m Write Short Notes On=4x4=16m
- 2. Headgears 3.Orthodontic arch wires 4.Self correcting anomalies 5.Essential diagnostic aids. Write Briefly On=5x2=10m
- 6. Chin Cap 7. Cranial base flexure 8. Herbst appliance 9. Supernumerary Teeth 10. Finger Springs PART B
- 11. Define Interceptive orthodontics. Discuss in detail the various serial extraction procedures=9m Write Short Notes on:=4x4=12. Space regainers 13. Steiners analysis 14. Frankel's appliance 15. Preventive orthodontics

Write Briefly on:=5x2=16. Angle ANB 17. Tipping movement 18. Simons law of canine 19. Flush terminal plane 20. Jacksons traid

# 411-FINAL BDS DEGREE EXAMINATION – FEBRUARY, 2010-ORTHODONTICS PART-A

- 1. Elaborate histology of tooth movement changes following application of mild & extreme forces WRITE SHORT NOTES ON=4x4=16m
- 2. Define serial extraction and write on indications of serial extractions 3. Management of cross bite
- 4. Simons classification of malocclusion 5. Uses of roentgenographic cephalometry in orthodontics. WRITE BRIEFLY ON=5x2=10m
- 6. Pricisions 7. Catlans appliances 8. Differential growth
- 9. Prolonged retention of deciduous teeth 10. Bakers anchorage

# PART – B

- 11. Classify various factors in the etiology of malocclusion. Elaborate endocrinal factors=9m Write short notes on:=4x4=12. Trajectories of occlusal forces 13. Transient malocclusion
- 14. Wolfs theory of bone transformation 15. Springs used for distalizing canines WRITE BRIEFLY ON=5x2=10m
- 16. Ankylosis 17. Neurotropic theory of craniofacial growth 18. Carey's model analysis
- 19. Tweeds triangle 20. 18-8 stainless steel

# 411-FINAL BDS DEGREE EXAMINATION – AUGUST, 2009-ORTHODONTICS

# PART-A (35 MARKS)

- 1. Explain slow and rapid expansion, their indications, contra-indications and appliances used=9m WRITE SHORT NOTES ON:  $4 \times 4 = 16m$
- 2. Ackerman Proffit classification of malocclusion
- 3. Lip bumper

4. Sterilization in orthodontics

5. Functional appliances

# WRITE BRIEFLY ON: $5 \times 2 = 10m$

- 6. Centric relation and centric occlusion 7. Ideal requirements of removable orthodontic appliance
- 8. Adams clasp 9. Synchondrosis 10. Types of orthodontic forces

# PART-B(35 MARKS)

11. Enumerate theories of retention. Add a note on causes of relapse.=9m

Write short notes on:  $4 \times 4 = 12$ . Terminal planes 13. Orthodontic study models

14. Moyer's mixed dentition Analysis

# WRITE BRIEFLY ON: $5 \times 2 = 10m$

16. Uses of panoramic radiograph 17. Proximal slenderization / stripping

18. Jackson's triad 19. Incisal liability 20. Cleft Lip

# 411-FINAL BDS DEGREE EXAMINATION – MARCH, 2009-ORTHODONTICS

### PART -A

1. Classify habits. Explain the triad of factors affecting habits. Elaborate on lip biting and nail biting Habits=9m

Write Short=4X4=2. Importance of genetics in orthodontics 3. Maxillary anterior bite plane appliance

- 4. Classify myofunctional appliances and what are the indications of activator
- 5. Post natal growth and development of the mandible

Write Briefly On:= 5X2=6. Shape memory alloy 7. Optimum orthodontic force

8. Reinforced anchorage 9. Growth spurts 10. Space regainers

# PART-B

11. Enumerate Cephalometric land marks and elaborate on STEINERS analysis=9m

Write Short Notes On=4X4=12. Relapse in orthodontics 13. Preventive orthodontics

14. Unfavorable sequel of malocclusion 15. Supernumerary teeth

Write Briefly On=5X2=16. Transitional period 17. Orthodontic impressions 18. Andrews six keys to normal occlusion 19. Piezo-electric theory

20. Pseudo class III malocclusion

# 411-Final BDS DEGREE EXAMINATION - AUGUST/SEPTEMBER, 2008

# PART -A

1. Enumerate various diagnostic aids and elaborate on the various model analyses used for diagnosis and treatment planning in orthodontic practice=9m

Write Short Notes On:= 4X4=2. Local causes of malocclusion 3. Aims and scope of orthodontics

4. Mouth breathing habit 5. Dentofacial disturbances of genetic origin

Write Briefly On=5X2=6. Coffin spring 7. Methods of gaining space 8. Adams clasp and its advantages

9. Expanding V principle 10. Dewey's classification of malocclusion PART-B

11. Discuss the histological changes during orthodontic tooth movement=9m

Write Short Notes On=4X4=12. Write about activator appliance 13. Serial extraction

14. Indication for 2<sup>nd</sup> premolar extraction 15. Scammons growth curve

Write Briefly On:= 5X2=16. Gum pads 17. Extra oral anchorage 18. Permanent retention

20. Open bite 19. Wilkinson extraction

# 411-Final BDS DEGREE EXAMINATION – MARCH, 2008-ORTHODONTICS

### PART -A

1. Discuss essential diagnostic criteria used in orthodontics=9m

Write Short Notes On:= 4x4=2. Case selection for functional appliance 3. 18-8 stainless steel

4. Retention in orthodontics 5. Boltons analysis

Write Briefly On:= 5x2=6. Andrew's six keys of occlusion 7. Tweeds triangle 8. Gases used for soldering

9. Flux and antiflux 10. Define orthodontics

# PART - B

11. Discuss in detail about the clinical applications of growth and development in orthodontics=9m

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13. Space regainers 14. Hand wrist radiograph
Write Short Notes On:= 4x4=12. Face mask therapy
15. Reciprocal anchorage
Write Briefly On:= 5x2=16. Hyrax appliance
                                               17. Ideal orthodontic force
18. Drawbacks of Angle's classification
                                               19. Irreversible hydrocolloids
                                                                                 20. Welding
411-NR-FINAL B.D.S DEGREE EXAMINATION -OCTOBER, 2007-ORTHODONTICS
1. What are the causes of cleft lip and palate and write about the management=9m
Write short notes on: 4 \times 4 = 16m; 2. Oral screen 3. Functional matrix theory
4. Midline diasthema
                               5. Differentiate between activator and frankle appliance
Write briefly on: 5 \times 2 = 10 \text{m}; 6. Growth spurts 7. Elgiloy wires
8. Wolf's law of bone transformation
                                          9. Distal shoe space maintainers
                                                                                10.Simons law of cuspid
Part-B
11. Write about the unfafvourable sequelae of malocclusion=9m
Write short notes on: 4 \times 4 = 16m; 12. Buccinator mechanism 13. Ackerman Profit Classification
14. Incisal liability
                       15. Undermined resorption
Write briefly on: 5 \times 2 = 10 \text{m}; 16. Angle ANB
                                              17. Sheno-Occipital synchondrosis
18. Components of fixed appliances
                                               19. Piezo-electric theory 20. Cantiliver spring
                                              APRIL, 2007
PART -A
1. Describe the growth and development of mandible and its clinical importance in orthodontics.
2. Write short notes on: 4x4=16=a) Flush terminal plane b) Moyer's mixed dentition analysis
  c) Stationery Anchorage d) Twead's Triangle
3. Write: 5x2=a) Hand wrist X - rays b) SNA c) Diagnostic Aids d) Twin Block d) Mid line diastema
4. Classify Frankel appliance and explain in detail any one clinical situation.
5. Write short notes on: 4x4=16=a) Mouth breathing habit b) Serial extractions c) Occlusal plane
d) Anterior biting plane
6. Write briefly on: 5x2=a) Adam's Clasp and its modifications b) Stainless steel c) Spot welding
d) Howley's Retainer e) Classify space maintainers and write briefly on any one fixed space maintainer.
         411-OR-FINAL B.D.S.DEGREE EXAMINATION – APRIL, 2007-ORTHODONTICS
1. Define growth and development. Explain in detail various methods of measuring growth.
2. Write short notes: 6x5 = a) Ugly duckling Malocclusion b) Geneoplasty c) Retention & relapse
                       e) Midline diasthema
d) Pout's analysis
                                                      f) Mouth breathing habit
PART - B
3. Classify Anchorage. Describe in detail the extra oral anchorage=10
                                                             c) I.O. X-rays d) Simon's classification
4. Write short notes on: 6x5 = a) Dilaceration b) Y-axis
  e) Distal shoe horn f) Activato
                                              OCTOBER-2006
Part-A
1. Discuss pre-natal and post-natal growth of mandible and its clinical application in orthodontics=9m
2. Write: 4 x 4 =a)Aims and objectives of orthodontics b)S-N plane c)Crozat clasp d)Reciprocal Anchorage
3. Write briefly on: 5 \times 2 = 10 \text{m}; a) Surgical orthodontics
                                                               b) Expansion screws
  c) Incisor liability d) Growth spurts
                                               e) Incline planes
4. Explain the steps in fortification of Oval screen and give its advantages=9m
5. Write: 4 x 4=a) Canine retractors b) Preventive orthodontics c) Undermine resorptiond) Study Models
6. Write briefly on: 5 x 2 = 10m; a) High labial bow
                                                      b) Twin studies
  d) Stages of eruption of permanent teeth
                                                       e) Orthodontic clasps
                                                APRIL-2006
Part-A
1. Define growth and development. What are the theories of Growth? How growth disturbances can cause
  Malocclusion=9m
2. Write short: 4 x 4=a) Oral-Screen b) Diagnostic Aids c) Retention appliances d) Leeway space of nance
3. Write briefly on: 4 \times 4 = 16m; a) Chin-Cap
                                               b) Supplemental Teeth
                                                                              c) Carpal Index
   d) Optimum Orthodontic Force
                                               e) Components of Removable appliance
Part-B
4. Define anchorage. Classify orthodontic anchorage and explain with examples=9m
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d) Carey's analysis

5. Write short notes on:  $4 \times 4 = 16m$ ; a) Max.Middle Diastema

c) Methods of gaining space in dental arch

b) Theories of Eruption

b) Disadvantages of removable appliances 6. Write briefly on:  $5 \times 2 = 10 \text{m}$ ; a) Inclined plane c) Bionator d) Panoramic Radiographics e) Simon's Classification OCT./NOV.2005 (N.R.) 1. Discuss clinical picture of skeletal angle's class III malocclusion and its clinical management =9marks 2. Write short notes on: 4 x 4 = 16marks; a) Ugly duckling stage b) Therapeutic extractions d) Space maintainers c) Open bite 3. Write briefly on: 5 x 2=a) Rotation b) Occlusal plane c) Adams clasp d) Angle SNA e) Canine retractors Part-B 4. Define malocclusions. Classify etiology of malocclusions. Discuss clinical picture and management of thumb-sucking habit =9marks 5. Write short notes on:  $4 \times 4 = 16m$ ; a) Validity of Angle's classification b) Orthodontic Study models c) F.R.II appliance d) Pubertal growth spurt 6. Write briefly on: 5 x 2 = 10marks; a) Mandibular plane b) Angle SNB c) Pont's model analysis e) Advantages of removable orthodontic appliances d) Tissue changes on pressure side MAR/APR.2005 - N.R. Part-A 1. Discuss pre-natal and post-natal growth of mandible and its clinical application in orthodontics=9marks 2. Write short notes on: 4 x 4 = 16marks; a) Tweed's triangle b) Rapid maxillary expansion c) I-O-X rays in orthodontics d) Trajectories of occlusal forces 3. Write briefly on:  $5 \times 2 = 10 \text{marks}$ ; a) Pont's analysis (Pont's) b) Bolton plane e) 'Y' Axis angle c) Coffin spring d) Soldering and welding 4. Discuss the various tissue changes taking place during orthodontic tooth movement=9marks 5. Write short notes on: 4 x 4 = 16marks; a) Bite plane appliances b) Components of fixed appliance c) F.H.plane d) Primate spaces 6. Write briefly: 5 x 2; a) Incisal liability b) Cleft lip c) Acromegaly d) Inter incisal angle e) Wolf's Law OCTOBER, 2004. Part-A 1. Define Anchorage. Discuss classification of Anchorage. Explain Intermaxillary Anchorage=9m 2. Write short notes on: 4 x 4 = 16marks; a) Leeway space of Nance b) Incisal Liability d) Ideal requisites of Orthodontic Appliance c) 'Y' Axis Angle 3. Write briefly on: 5 x 2=a) Study Models b) Trajectories c) Occlusal X-ray d) Oral Screen e) Expansion Appliances. 4. Discuss the various stages of development of occlusion, from birth to adolescent =9m 5. Write short notes on:  $4 \times 4 = 16$  marks; a) Thumb sucking habit b) Mandibular Retrognathism c) Self supporting springs d) Therapeutic Extractions in Orthodontics 6. Write briefly on: 5 x 2 = 10marks; a) Flush Terminal Plane b) Carey's Model Analysis c) Bite Plane Appliances d) Pericision e) S-N-B Angle **APRIL, 2003 (NEW REGULATIONS)** Part-A 1. Enumerate the aetiological factors causing mouth breathing and tongue thrust in children and discuss the line the treatment =9marks 2. Write short answers on: 4 x 4 a) Head gear b) Lip bumper c) Pericision d) Primate space 3. Write: 5 x 2 = a) Tweed's analysis b) Growth spurts c) 18-8 stainless stell d) Irreversible hydrocolloids Part-B 4. What are functional appliances. Give examples. Discuss any one appliance in detail =9marks 5. Write short notes on: 4 x 4 a) Y-Axis b) Model Analysis c) Hand-Wrist X-ray d) Midline diastema 6. Write: 5 x 2=a) Posterior cross bite b) ANB angle c) Incisor liability d) Solder and flux e) Oral Screen MARCH/APRIL, 2003. (OLD REGULATIONS) Part-A 1. Enumerate the aetiological factors causing mouth breathing and tongue thrust in children and discuss the line of treatment =10marks 2. Write: 6 x 5 =a) Head gear b)Lip bumper c Pericison d)Primate space e)Growth spurt f)Fixed retainer

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b) Model analysis

f) Solder and flux

3. What are the functional appliances give examples. Discuss any one appliance in detail. =9marks

a) 'Y' Axis

e) ANB angle

4. Write short notes on: 6 x 5

d) Midline diastema

c) Hand-Wrist X-ray

# (New Regulations) - OCTOBER, 2002

### Part-A

- 1. Discuss the local causes for Mal occlusion =9marks
- 2. Write short answers on: a) Synchondrosis b) Deep Bite c)Space Maintainer d)Ugly Duckling stage=16
- 3. Write briefly: 5 x 2- a) Primate Spacing b) SNA Aangle c) Parts of fixed appliance d)Occlusal X-Ray e) Classification of functional appliance

# Part-B

- 4. What is Classification? Discuss the different classification on Mal Occlusion. What is the latest classification on Mal Occlusion =9marks
- 5. Write short answers: a)Hand-wrist X-ray b)Growth Spurt c)18-8 Stainless Steel d)Cleft Lip & Palate
- 6. Briefly: 5 x 2=a)Cross Bite b)Sutural Growth c)ANB Angle d)Skeletal Mal Occlusion e)Borderline case OCTOBER, 2002 (Old Regulations) Time:3hours Max.Marks: 80

# Part-A

- 1. Define Anchorage. Discuss the different types of Anchorage with example for each = 10marks
- 2. Write short notes: 6x5 a) Oral Screen b) Interseptive orthodontics c) Torque force d) Chin cap e) Cephalogram f) Optimum orthodontic force

### Part-B

- 3. Discuss Heredity as a cause for mal occlusion =10marks
- 4. Write short notes on: 6x5 a) Angle's classification on mal occlusion b) Chronological age c) Edge wise appliance d) Cervical Traction e) Differential force technique f) Buccinator Mechanism

# FINAL B.D.S. - 18th APRIL, 2001.

### Part-A

- 1. Describe in detail about extractions in Orthodontics. Give your choice of teeth for extractions with reasons
- 2. Short Notes: a) Hand wrist radiographs b) Reciprocal anchorage c) Labial Bows d) Midlines Diastoma e) Study models f) Relapse =6x5=30marks

### Part-B

- 3. Define growth and development, name and describe the various theories of eruption of teeth = 10 marks
- 4. Short Notes: a) Soldering and welding b) Direct Bowling c) Part of fixed appliance
  - d) Ugly duckling stage
- e) Oral screen f) Clinical features of CL. II div.2 =6x5 OCTOBER, 2000.

### Part-A

- 1. Describe in detail about different methods of classification of mal occlusion. Describe the basis, merits and demerits of Angle's classification =10marks
- 2. Short Notes: a) Anchorage b) Adam's Clasp c) Mode analysis d) Aims of Orthodontics e) Functional Regulators f) Orthodontic springs =6x5=30marks

# Part-B

- 3. Define Cephalometrics. Describe in detail about its advantages and disadvantages, uses in the field of orthodontics=10marks
- 4. Short Notes: a) Thumb sucking b) Functional Matrix theory c) lee way space d) Deep over bite e) Diagnostic aids f) Retention and its necessity =6x5=30marks

# APRIL, 2000.

# Part-A

- 1. What are the six keys of normal occlusion. State how Ackerman-Profit system is an improvement over Angle's Classification=10marks
- 2. Short Notes: a) Sucking and suckling b) Components of fixed appliance c) Oral screen
- d) Occlusal Radiograph
- e) Cephalo Stat
- f) FMA Angle =6x5=30m

### Part-B

- 3. State the principles of Andresen appliance. Discuss in detail indications, contra-indications, uses and construction=10m
- 4. Short Notes: a) Icisal Liability b) Lower Anterior Crowding c) Canine Retractors
  - d) Pubertal Growth periods
- e) Permanent Retention
- f) Intrusion =6x5=30marks

# 15th OCTOBER, 1999.

### Part-A

1. Define preventive Orthodontics. Discuss the various treatment plan given under the preventive orthodontics =10marks

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- Short Notes: a) Anterior open bite b) Elastics c) Extraction in Orthodontics d) Arch perimeter analysis
   e) Draw packs of Angle's classification f) Distal shoe space maintainer =6x5=30marks
   Part-B
- 3. Discuss the various diagnostic aids used in Orthodontics =10marks
- 4. Short Notes:a)Adam's Clasp b)Spot Welder c)Arch wire d)SNA Angle e)Functional Regulator f)Carpal index

# 17th APRIL, 1999.

### Part-A

- 1. Define Mal Occlusion. Discuss the etiology of Mal occlusion =10marks
- 2. Short Notes: a) Synchondrosis b) Lee way space c) Anterior Cross Bite d) Midliae Diastoma
  - e) Growth curve f) ANB Angle =6x5=30marks

### Part-B

- 3. Discuss the treatment plan for Angle's Class II Mal occlusion patients in the mixed dentition period =10m
- 4. Short Notes: a) Slow Expansion Appliance b) Terratogen c) Mouth Breathing d) Deep Bite e) Ortho Pantomogram f) Curve of spee =6x5=30marks

# 16<sup>th</sup> OCTOBER, 1998.

# Part-A

- 1. Define Interceptive Orthodontics. Describe in detail about serial Extractions = 10marks
- 2. Short Notes: a) Anchorage in orthodontics b) Retention and relapse c) Functional Regulators d) Study models e) Growth spurts f) Modes analysis for mixed dentition =6x5=30marks
- Part-B
  3. Describe in detail about Extractions in Orthodontics = 10marks
- 4. Short Notes: a) Genetics in Orthodontics b) Anterior open bite c) Fixed appliances
  - d) Undermining Resorption

    e) Rapid Palatal expansion

    f) Thumb sucking habit =6x5=30

    17<sup>th</sup> APRIL, 1998.

### Part-A

- 1. Define Orthodontics. Describe about AIMS and scope of Orthodontics. =10marks
- 2. Short Notes: a) Local factors in Etiology of Mal-Occlusion b) Model Analysis c) Removable appliances d) Orthodontics springs e) Growth spurts f) Preventive Orthodontics =6x5=30marks

# Part-B

- 3. What are Mayo functional appliances. Describe in detail about preparation and uses of oral screen =10m
- 4. Short Notes: a) Retention and Retainers b) Clinical features of CI, III Mal occlusion
  - c) Theories of tooth movement
- d) Simon's classification of Mal occlusion
- e) Management of cleft lip and palate

# 17<sup>th</sup> OCTOBER, 1997.

### Part-A

- 1. Describe in detail pre & post natal growth of mandible =10marks
- 2. Short Notes: a) Oral screen b) Muscle exercises c) Tongue thrusting habit d) Aims of Orthodontics e) Midlime diastema and its causes =5x5=25marks

# Part-B

- 3. Describe about extractions in Orthodontics with reasons = 10marks
- 4. Short Notes: a) Frankel's appliance b) Fixed appliance c) Anterior open bite
  - d) Under mining bone resorption e) Robert's Retractor f) Validity of Angel's Classification =6x5

# APRIL, 1997.

### Part-A

- 1. What are the reasons for Extractions in Orthodontics? Discuss the choice of teeth for Extractions =10m
- 2. Short Notes: a) Growth spurts b) Midline Diastema c) Springs to bring about Mesio Distal \ d) 'Y' Axis e) Modes analysis for Mixed Dentition =5x5=25marks

### Part-B

- 3. What are functional Appliances? Give examples. Describe the Trimming and Mechanisms of Actions of Anderson's Appliance =10marks
- 4. Short Notes: a) Fixed appliances verses Removable appliance b) Hawley's Retainer

