DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008 B.D.S. DEGREE EXAMINATION – JANUARY, 2017 FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time	3 Hours	Max. Marks : 70
Note:	Answer all questions.	
	Draw neat labeled diagrams wherever necessary.	
1)	Classify oral mucous membrane and write about keratinized	2+7=9
	mucosa.	
2)	Write about mandibular first molar.	9
	WRITE SHORT NOTES ON:	8x4=32
3)	Tooth numbering systems	
4)	Occlusal surface of mandibular first premolar	
5)	Histology of temporo mandibular joint	
6)	Muscles of mastication	
7)	Theories of mineralization	
8)	Histology of salivary glands	
9)	Types of dentin	
10)	Cells of periodontal ligaments	
		10x2=20
	WRITE BRIEFLY ON:	
11)	Age changes in pulp	
12)	Decalcification	
13)	Cingulum	
14)	Gubernacular cord	
15)	Myoepithelial cells	
10)	Dead tracts	
17)	Temos grapular lavor	
10)	Charled enamel	
20)	Osteoplasts and osteocytes	
20)		

DR NTR UNIVERSITY OF HEALTH SCIENCES :: VIJAYAWADA :: AP B.D.S. DEGREE EXAMINATION – JANUARY, 2016 FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time :	3 Hours Max. Marks	s : 70
Note:	Answer all questions.	
	Draw neat labeled diagrams wherever necessary.	
7)	Describe the morphology of permanent mandibular first molar. Write differences between permanent mandibular first molar and deciduous mandibular first molar	5+4=9
8)	Discuss in detail the microscopic features of periodontal ligament and alveolar bone.	5+4 <mark>=</mark> 9
	<u>WRITE SHORT NOTES ON</u> :	8x4= <mark>32</mark>
9)	Temporomandibular joint anatomy	
10)	Mechanism of deglutition	
11)	Microscopic features of enamel	
12)	Classification of malocclusion	
7)	Theories of tooth eruption	
8)	Processing of hard and soft tissues for microscopic	
	study	
9)	Fluoride metabolism	
10)	Tongue papillae <u>WRITE BRIEFLY ON</u> :	10x2=20
11)	Plexus of Raschkow	
12)	Reactionary dentin	
13)	Gnarled enamel	
14)	Osteoclasts	
15)	Blood supply to maxillary sinus	
16)	Lamina Dura	
17)	Hertwig's epithelial root sheath	

- 18) Dilaceration
- 19) Dental formula for human dentition
- 20) Functions of tooth

DR. NTR UNIVERSITY OF HEALTH SCIENCES::AP::VIJAYAWADA-520 008 B.D.S. DEGREE EXAMINATION – JUNE/JULY, 2015 FIRST BDS EXAMINATION (NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Note: A	3 Hours Answer all questions.	Max. Marks : 70
	braw heat labeled diagrams wherever necessary.	
13)	Describe the morphology of permanent Maxillary first molar. Write differences between permanent maxillary and mandibular molars.	5+4=9
14)	Describe the various stages of tooth development and give a note on life cycle of ameloblast.	6+3=9
	WRITE SHORT NOTES ON:	8x4=32
15)	Morphology of mandibular second premolar	
16) 17) 18) 7) 8) 9)	Differences between mucous and serous acini Intercellular junctions. Hypo-calcified structures in enamel Endochondral bone formation Dentine hypersensitivity Gingival fibres	
10)	Theories of mineralization WRITE BRIEFLY ON:	10x2=20
11) 12) 13) 14) 15) 16) 17) 18) 19)	Benedict shift Histology of Fungiform papilla Structures derived from dental papilla Curve of Monson Myo fibroblasts Reparative dentin Enumerate ductal system of salivary glands. Neural crest cells Hertwig's epithelial root sheath	
20)	Embrasures	

B.D.S. DEGREE EXAMINATION – JANUARY, 2015 FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time :	3 Hours Max. Marks : 70
Note:	Answer all questions. Draw neat labeled diagrams wherever necessary.
1)	Classify Oral Mucous Membrane. Discuss in detail the 4+5=9 histology of gingiva.
2)	Discuss the morphology of permanent mandibular first ⁹ molar.
	WRITE SHORT NOTES ON: 8x4=32
3)	Development of palate
4)	Differences between maxillary and mandibular canine
5)	Functions of pulp
6)	Principal fibres of periodontal ligament
7)	Functions of saliva
8)	Bud and Cap shape of tooth development
9)	Serous and Mucous acini
10)	Histology of Maxillary Sinus
	WRITE BRIEFLY ON: 10x2=20
11)	Curve of Wilson
12)	Submerged teeth
13)	Enamel tufts and spindles
14)	Secondary and tertiary dentin
15)	Myoepithelial cells
16)	Lamina Dura
17)	Cellular Cementum
18)	Pulp stones
19)	Zsigmondy Palmer notation

20) Cell rests of Serres

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B.D.S. DEGREE EXAMINATION – JUNE, 2014 FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time :	3 Hours Max. Ma	rks : 70
Note:	Answer all questions. Draw neat labeled diagrams wherever necessary.	
7)	Define enamel and write about life cycle of ameloblasts.	9
8)	Describe in detail morphology of maxillary first molar.	9
	WRITE SHORT NOTES ON:	8x4=32
9)	Differences between deciduous and permanent teeth	
10)	Deglutition	
11)	Theories of eruption	
12)	Composition of Saliva	
7)	Functions of periodontal ligament	
8)	Classify cementum	
9)	Tooth numbering systems	
10)	Calcium and phosphorous metabolism	
	<u>WRITE BRIEFLY ON</u> :	10x2=20
11)	Enamel knot and cord	
12)	Bundle bone	
13)	Mucous acini	
14)	Predentin	
15)	Neonatal line	
16)	Arch traits	
17)	Embrasures	
18)	Mamelons	
19)	Pit and fissure	

20) Non keratinocytes

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B.D.S. DEGREE EXAMINATION – JANUARY, 2014 FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Tim	ne : 3	: 3 Hours Max. Marks : 70	
No	te:	: Answer all questions. Draw neat labeled diagrams wherever necessary.	
	13)	3) Discuss in detail morphology of mandibular first molar ⁹ tooth.	
	14)	 Describe the microscopic structure of pulp. Add a note 6+3=9 on its functions. 	
		WRITE SHORT NOTES ON: 8x4=32	
	15)	5) Muscles of mastication	
	16)	6) Development of mandible	
	17)	7) Functions of tooth	
	18)	8) Centric occlusion	
	7)	Hertwig's epithelial root sheath	
	8)	Principal fibers of periodontal ligament	
	9)	Morphology of lingual surface of Maxillary central incisor	
1	0)	Alveolar bone	
		WRITE BRIEFLY ON: 10x2=20	
1	1)	Enamel tufts	
1	2)	Functions of saliva	
1	3)	Tertiary dentine	
1	4)	Anatomical crown and clinical crown of tooth	
1	5)	Physical prop <mark>erties of enamel</mark>	
1	6)	Neural crest cells	
1	7)	Striated ducts	
1	8)	Cementocytes	

- 19) Tome's granules layer
- 20) Subodontoblastic capillary plexus

B.D.S. DEGREE EXAMINATION – JUNE, 2013 FIRST BDS EXAMINATION(NR) SECOND BDS EXAMINATION (OR) DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time :	3 Hours M	ax. Marks :	70
Note:	Answer all questions. Draw neat labeled diagrams wherever necessary.		
19)) Enumerate and describe theories of eruption of Add a note on clinical considerations related to e of teeth.	of teeth. eruption	9
20)) Classify oral epithelium and discuss in det histology of masticatory mucosa.	tail the	9
	<u>WRITE SHORT NOTES ON:</u>		8x4=32
21)) Inferior alveolar nerve		
22)) Deglutition		
23)) Different to <mark>oth numbering system</mark> s		
24)) Anti microbial properties of saliva		
7)	Stages of tooth development		
8)	Myoepithelial cells		
9)	Sharpey's fibers		
10)	Occlusal surface of permanent Maxillary first mol	lar	
ŕ	WRITE BRIEFLY ON:	1	10x2=20
11)	Curve of Wilson		
12)	Pit and Fissure		
, 13)	Lamina Dura		
14)	Natal and neonatal tooth		
15)	Embrasures		
16)	Perikymata		
17)	Odontoblasts		
18)	Bundle bone		

- **19)** Accessory canals
- 20) Pulp stones

418NR/405OR-FIRST B.D.S. DEGREE EXAMINATION – DECEMBER, 2012

First bds examination(nr) second bds examination (or)-Dental anatomy, embryology & oral histology Time : 3 Hours-Max. Marks : 70-Answer all questions-Draw neat labeled diagrams wherever necessary. 1..Describe in detail histology of enamel and add a note on age changes in enamel=9m 2...Morphology of permanent maxillary canine. Add a note on the arch traits of permanent canines=9m Write Short Notes On: 8 x 4=32m 3..Non-Keratinocytes 4..Centric Occlusion 5..Histology of Maxillary sinus 6..Occlusal surface of permanent mandibular first molar 7..Junctional Epithelium 10.Sub Mandibular Salivary Gland 8..Dentinal Tubules 9...Age changes in pulp Write Briefly On: 10 x 2=20m 11.Zone of Weil 12.Odontoclasts 13.Enamel Spindles 14.Acellular Cementum 15.Neural Control of Mastication 16.Grooves 17.Epithelial rests of Malassez 18. Hyaline layer of Hopewell-Smith **19.**Functions of Saliva 20.Dental formula for the human dentition 418NR-FIRST B.D.S. DEG. EXAMINATION – JUNE, 2012-Dental Anatomy, Embryology & Oral Histology-Time : 3 Hours-Max. Marks : 70-Answer all questions. 1. Chronology of Development and Morphology of Permanent Maxillary First Premolar=9m 2...Classification of Oral Mucosa. Description of Microscopic Structure of Keratinized Stratified Squamous Epithelium=9m Write short notes on: $8 \times 4=32m$ 3. Theories of Eruption of Teeth 4..Enamel Rods 5..Principal fibres of the Periodontal Ligament 6..Tooth Numbering systems 7..Differences between Serous and Mucous Acini 8..Histophysiological Stages of Tooth Development 9. Steps in Processing of Soft Tissues for Microscopic Study **10.Deglutition** Write briefly on: 10 x 2=20m 11.Fossae 12.Dead Tracts 13.Plexus of Raschkow 14.Infantile Swallow 15.Infantile Swallow 16.Sharpey's Fibres 17.Articular Disc of the Temporomandibular Joint 18Robinson's Alkaline Phosphatase Theory of Mineralization 14. Curve of Spee 19. Predentin 20.Embrasures 418/405-FIRST B.D.S. DEGREE EXAMINATION – DECEMBER,2011/JANUARY, 2012 1. Describe the morphology of mandibular second premolar. Add a note on its chronology=6+3=9m 2. Describe the fibers of periodontal ligament. Add a note on functions of periodontal ligament=5+4=9m Write short notes on: 8 X 4=32Mm 3..Development of Tongue. 4..Lining mucosa. 5...Nerve supply of mandibular teeth 6. Enumerate the different types of dentin and describe them briefly. 7..Hypo calcified areas of enamel 8. Development of palate 9. Composition of saliva 10.Theories of calcification Write briefly on: 10 x 2=20m 11.Curve of Monson 12.Sequence of eruption of deciduous teeth 13.Cingulum 14.Myoepithelial cell 15.Nasmyth's membrane 16.Col 17..Minor salivary gland 18.Langerhan's cells 19.Circumvallate papillae. 20.Enamel knot. 418/405-FIRST & SECOND B.D.S. DEG. EXAMINATION - JUNE, 2011-DENTAL ANATOMY, 1..Discuss various types of Dentin=9m 2...Morphology of permanent maxillary first molar=9m Write Short Notes On: 8 x 4=3..Functions of the pulp. 4...Types of cementum. 5. Theories of Dentinal Sensitivity 6. Tooth numbering systems 7. Surface structure of enamel 8. Cells of periodontal ligament 9. Fixation 10. Histology of TMJ Write Briefly On: $10 \ge 220$ m 11.Basket cell 12.Xylene 13. Ridge 14. Dental Follicle 15. Glands of Blandin and Nuhn

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18. Histology of anterolateral zone of palate 16. Osteocyte 17. Taste bud 19. Roots and root canals in permanent mandibular first molar 20. Sequence of eruption of permanent teeth 418/405-FIRST & SECOND B.D.S. DEG. EXAMINATION - DECEMBER, 2010/JANUARY, 2011 1..Enumerate the differences between deciduous and permanent dentition=9m 2...Classify oral mucous membrane and describe keratinized mucosa=9m Write Short Notes On: $8 \times 4 = 32m$ 3..Alveolar bone 4..Cap stage of Tooth development 5...Muscles of mastication 6. Theories of pain transmission in dentin 7. Functions of saliva 8. Age changes in pulp 10.Muscles of Tongue 9. Cellular cementum Write Briefly On: 10 X 2 = 20m11.Curve of spee 12. FDI tooth numbering system 13. Calcitonin 14. Cusp of carabelli 16. Embrasures 17. Circumpulpal dentin 18. Meckel's cartilage 15. Dead tracts 19. Sharpey's fibres 20. Alkaline phosphatase 400-FIRST B.D.S. DEG. EXAMINATION – JANUARY, 2010-HUMAN ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY-(*Old Regulations*) PART – A (35 MARKS) 1...Describe the course, branches and their distribution of maxillary artery=2+7=9m write short notes on: $4 \times 4 = 16m$ 2...Blood supply of palatine tonsil 3..Development of face and its anomalies 4...Microscopic structure of lymph node 5...Inferior alveolar nerve write briefly on: $5 \ge 2 = 10m$ 6. Name the muscles of mastication (Major and Minor) 7. Lateral pterygoid muscle 8. Deciduous teeth 9. Sex chromosome 10.Nerves carrying taste sensation from tongue PART-B (35 MARKS) 11. Describe the constrictors of pharynx. Add a note on the interior of nasopharynx=3+2+2+2=9mwrite short notes on: $4 \times 41 = 6m$ 12.Interior of larynx 13.Microscopic structure of spleen 14.Hyoglossus muscle 15. Distribution of facial nerve write briefly on: $5 \ge 2 = 10m$ 16.Name four structures passing through superior orbital fissure 17. Branches from posterior division of mandibular nerve 18. Barr body 19. Name the tributaries of internal jugular vein 20.Name the bones meeting at bregma

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	B.D.S. DEGREE EXAMINATION - JANUA	RY, 2009
	FIRST BDS EXAMINATION	
н	JMAN ANATOMY INCLUDING HISTOLOGY AND	EMBRYOLOGY
	(Old Regulations)	
Time :	3 Hours	Max. Marks : 70
Note:	Answer Part A & B in separate answer books.	Questions in Part'A
	should not be answered in Part'B' and vice ve	orsa. Otherwise the
	will not be valued.	
	Answer all questions.	
	Illustrate your answers with suitable diagram	S
	PART - A (35 MARKS)	
20	Name the muscles of the tongue. What are th	e blood supply.
36	name the muscles of the tongus. What are the	onque?
	nerve supply and lymphatic dramage of the te	(2+2+3+2=9)
	WRITE SHORT NOTES ON	4x4=16
2	Derivatives of pharvngeal pouches.	2000020000
2	Lingual Artery	
4	Carotid sheath	
5	Name the extra ocular muscles of eve ball and	d their nerve
÷.	supply and action.	
	WRITE BRIEFLY ON:	5x2=10
6.	Name the branches of arch of aorta.	
7.	Mention the branches of anterior division of n	nandibular nerve.
8.	Define Karyotyping.	
9.	Primary Teeth.	
10). Define physical Anthropology.	
	PART - B (35 MARKS)	
44	Describe the blood supply, relations and dev	elopment of
	thyroid gland.	3+3+3=9
		4x4=16
	WRITE SHORT NOTES ON:	
- 33	2. Fertilization	
	3. Submandibular gangion	
	4. Linguai artery 6. Huogloseus muscle	
1	WRITE RRIEFI V ON-	5x2=10
14	6 Name the structures in the lateral wall of cav	ernous sinus.
4	7 Mention the arteries supplying the scalp.	
	8 Branches of facial nerve in the face.	
4	9 Nerve supply and action of cricothyroid mus	cle.
2	0. Chorda tympani nerve.	
- 1	At a training a family and a set of the set	

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400-FIRST B.D.S. DEGREE EXAMINATION – JUNE, 2008-HUMAN ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY

PART – A (35 MARKS)

1. Name the muscles of mastication. Describe the attachments, nerve supply and actions of any one of them=(1+5+1+2=9)

WRITE SHORT NOTES ON: 4x4=16

- 2..Classification of chromosomes. 3. Microscopic structure of spleen. 4. Facial artery.
- 5. Development of palate and associated anomalies.

WRITE BRIEFLY ON: 5x2=10

- 6..Nerve supply of septum of nose.
- 8. Morphology and attachments of sphenomandibular ligament.
- 9. Name any four tributaries of internal jugular vein.

PART – B (35 MARKS)

11.Describe the anatomy, histology, blood supply and nerve supply of Submandibular Salivary Gland. 3+2+2+2=9

WRITE SHORT NOTES ON: 4x4=16

12. Sub-occipital triangle 13. Pharyngeal pouches

15. Histological appearance of elastic artery

WRITE BRIEFLY ON: 5x2=10

- 16. Name the muscles forming the floor of carotid triangle. 17. Developmental anomalies of face.
- 18. What are the branches of third part of maxillary artery?
- 19. What is the nerve supply and actions of cricothyroid muscle? 20. Name the bones meeting at pterion.

400=B.D.S. DEGREE EXAMINATION - FEBRUARY, 2008-FIRST BDS EXAM HUMAN ANATOMY INCLUDING HISTOLOGY AND EMBRYOLOGY

- PART A (35 MARKS) 1. Describe the position, relations, blood supply and microscopy of Thyroid gland.=(1+3+2+3=9)
- 2. Write short notes on: =4x4=a) Ansa cervicalis b) Microscopic structure of liver
- c) Derivatives of hyoid arch d) Ciliary ganglion
- 3. Write briefly on:= $5x^2=10=a$) Name the muscles supplied by spinal accessory nerve.
 - b) Mention the sensory nerves supplying the mucosa of tongue. c) Dangerous area of the scalp.
 - d) Name any four contents of carotid triangle.
 - e) Adductor and Abductor of vocal cords and their nerve supply.

PART – B (35 MARKS)

4. Describe the boundaries and contents of middle ear.=6+3=9

- 5. Write short notes on: =4x4=16=a) Development of face b) Hyoglossus muscle c) Cavernous sinus d) Microscopic picture of pancreas
- 6. Write briefly on: =5x2=10m=a) Name the structures pierced by parotid duct.
 - b) Nerve supply and actions sternocleidomastoid muscle c) What are the layers of cervical fascia?
 - d) What is Bell's Palsy? e) Mention four structures passing through superior orbital fissure.

400-NR-B.D.S. DEGREE EXAMINATION - AUGUST, 2007-FIRST BDS EXAMINATION Part-A

1. Give a gross features, blood supply, Lymphatic drainage and development of Thyroid gland (3+2+2+2) Write short notes on: $4 \times 4 = 16m$; 2. Histology of spleen 3. First Pharyngeal arch

4. Development of palate 5. Tonsil

Write briefly on: $5 \ge 2 = 10m$; 6. Ansa Cervicalis 7. Thyroid Cartilage 8. Parotid duct

9. Falx cerebri 10. Dentate Nucleus

Part-B

11. Write course, relations and branches of occulomotor Nerve. Add a note on ciliary ganglion(2+2+2+3)Write short notes on: $4 \times 4 = 16m$; 12. Histology of Thymus 13. Maxillary sinus 14. Fourth Ventricle 15.Sternocleido mastoid muscle

Write briefly on: $5 \ge 2=10m$; 16. Filum terminate 17. Epiglottis 18. Galea aponeurotica 19. External Jugular vein 20. Medial wall of the orbit

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7. Types of epiphyses with examples.

10.What is metopic suture?

14. Paranasal air sinuses

APRIL, 2007

PART - A

- 1. Describe the gross features, blood supply, development of Thyroid gland. Add a note on its histology=9m
- 2. Write short notes on: a) Tentorium cerebelli b) Histology of lymph node
- c) Recurrent laryngeal Nerve d) Nasal septum=4x4=16m
- 3. Write briefly on: 5x2=10=a) Facial colliculus b) Tubotympanic recess
- c) Supraclavicular lymph node d) Cisterna magna e) Parotid duct

PART - B

- 1. Classify Dural Venous Sinuses. Write extent, relations, contents and tributaries of Cavernous Sinus=9m
- 2. Write short notes on: 4x4=16=a) Development Tongue b) Histology of Kidney
 - c) Cervical Lymph Nodes d) Lingual Nerve
- 3. Write briefly on: 5x2=10=a) Hare lip b) Olivary Nucleus c) Facial vein

d) Vocal cord e) Soft palate – (only its muscles and their Nerve Supply)

FIRST B.D.S. HUMAN ANATOMY INCLUDING HISTOLOGY & EMBRYOLOGY –SEPT-2006 -(N.R.) Part-A

- 1. Give the anatomy, relations blood and nerve supply of parotid gland. Add a note on parotid duct-2+2+2+1=9m
- 2. Write short notes on: 4 x 4 =16m; a) Medulla oblongata (Only external features)
 b) Lateral wall of nasal cavity
 c) Histology of Pituitary
 d) Sternocleidomastoid
- 3. Write briefly on: 5 x 2 =10m; a) Erbs point b) Inferior horn of lateral ventricle c) Atypical features of Atlas d) Hassall's corpuscle

Part-B

- 4. Describe the gross features, relations, blood supply and constituent fibres of corpus callosum=2+2+1+4=9m
- 5. Write short notes on: 4 x 4 =16m; a) Histology of Large artery b) Hyoglossus muscle
 - c) Lymphatic drainage of Tongue d) Suboccipital Triangle
- 6. Write: 5 x 2 =a) Islet of Langerhans b) Quada Equina c) External Jugular vein d) Olive e) Suprasternal space FEBRUARY-2006

Part-A

- 1. Describe origin, course, relations and branches of maxillary artery (1+2+3+3=9marks)
- 2. Write short notes on: 4 x 4 =16marks; a) Deep cervical lymph nodes
 b) Histology of liver
 c) Development of the thyroid gland
 d) Pituitary gland
- 3. Write briefly on: 5 x 2 =10marks; a) Crico-thyroid muscle
 b) Muscles drived from first pharyngeal arch

 c) Otic ganglion
 d) Lingual nerve
 e) Tonsil

Part-B

- 4. Describe the attachment, action and nerve supply of intrinsic muscles of the larynx (4+3+2=9marks)
- 5. Write short notes on: 4 x 4 =16marks; a) Histology of thymus b) Development of the mandible c) Boundaries and contents of carotid triangle d) Nerve supply to the scalp
- 6. Write briefly on: 5 x 2 =10marks; a) Lymphatic drainage of tongue b) Histology of fibro cartilage
- c) Development of thymus d) Blood supply to the heart e) Dangerous area of the face

AUGUST.2005. (New Regul.)

Answer Parts A and B in **separate** answer-bks.Answer All -Illustrate your answers with suitable diagrams Part-A

- 1. Describe the origin, course and branches of mandibular nerve. Add a note on its applied anatomy (2+3+3+1)Write short notes on: 4 x 4 =16marks;
- Histology of kidney 3. Development of face and its anomalies
 Hyoglossus muscle 5) Carotid sheath Write brief answers on: 2 x 5 =10marks;
- 6. Rima glottidis 7. Histology of elastic cartilage 8. Development and nerve supply of digastric muscles
- 9. Temporary (milk) teeth 10. Secretomotor supply to Lacrimal gland
- Part-B
- 11. Describe the blood supply, relations and development of thyroid gland (3+3+3)Write short answers on: 4 x 4 =16marks;
- 12. Histology of lymph node 13. Cricoid cartilage 14. Development of tooth 15. Sternocleidomastoid muscle Write brief answers on: 2 x 5 =10marks
- 16. Atlanto axial joint 17.Lungs 18. Chorda tympani nerve 19.Parotid duct 20.Lymphatic drainage of tongue

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MAR/APR 2005

	MAK/APK, 2005				
Part-A					
1. Describe the nerve supply and bloo	d supply to the face. Add a no	te on facial palsy. (4	1+3+2=9marks)		
Write short answers on: $4 \times 4 = 16$ marks; 2. Histology of pancreas 3. Development of palate and its anomalies					
4. Paranasal air sunus5. My	ylohyoid muscles				
Write brief answers on: $2 \times 5 = 6$. Rim	a vestibuli 7. Nerve supply to	the auricle (pinna)			
8. Bones derived from second pharyng	geal arch 9. Spinomandibula	ar ligament	10. Platysma		
Part-B					
11. Describe the relations, blood supp	ly, nerve supply and developr	nent of parotid gland	1(3+2+2+2=9 marks)		
Write short answers on: $4 \times 4 = 16$	marks				
12. Histology of bone 13. Developm	ent of tongue 14.Ansa c	ervicalis 15. Th	hyroid Cartilage		
Write brief answers on: $2 \times 5 = 10$	marks				
16. Molar teeth 17. Styloid process	18. Histology of tonsil	19.Vocal cards	20.Zygomaticus major		
	OCTOBER, 2004. (Nev	w Regul.)			
Part-A					
1. Describe the anatomy, histology, bl	ood supply and nerve supply	<mark>of submandibular</mark> sa	livary gland (3+2+2+2=9m)		
2. Write short notes on: $4 \times 4 = 16m$;	a) Thyroid gland follicle b)	Adrenal cortex zone	e fasiculatum		
c) Deglutination	d) Bells Palsy				
3. Write briefly on: $5 \ge 2 = 10$ marks; a	a) Write any four structures pa	assing through the ju	gular foramen		
b) Pterion c) Development of up	per lip d) Sensory nerve s	upply of tongue	e) Histology of lymph node		
Part-B					
4. Describe the relations, tributaries and	nd connections of cavernous s	inus. Add a note on	applied anatomy (2+2+2+3)		
5. Write short notes on: $4 \times 4 = 16$ mar	ks; a) Carotid sheath b)	Facial artery			
c) Derivatives of first pharyngeal a	rch d)	Meckel's cartilage			
6. Write briefly on: $5 \ge 2 = 10$ marks; a) Suprasternal space (Burn's)	b) Atlanto-occipita	al joint c)Graafian follicle		
d) Muscles attached to the ramus of	f the mandible e) Extrinsic	and intrinsic musc	ele of eye		
	APRIL/MAY, 2004	4.			
Part-A					
1. Write the origin, course and branch	es of facial nerve. Write a not	e on dangerous area	of the face (2+3+2+2)		
2. Write short answers on: $4 \times 4 = 16n$	narks				
a) Development of Tongue b) Fo	ramens of Middle cranial foss	sa c) Pyriform re	cess d) Histology of liver		
3. Write briefly on: 5 x 2 =10marks;	a) Vocal cords b) Branch	<mark>es of Trigeminal ner</mark>	ve		
c)Derivative of second branchial and	ch d)Circle of Willis e)Nan	ne the muscles of ma	astication (Major and Minor)		
Part-B					
4. Give the anatomy, position and relations of TMJ. Write briefly about the movements of Temporomandibular					
Joint (TMJ0 (2+2+2+3)					
5. Write briefly on: 4 x 4 =16marks;	a) Haversian system b)	Lymphatic drainage	e of head and neck		
c) Functions of saliva	d) Sphenoidal sinus.				
6. Write short notes on: 5 x 2=10mark	s; a) Microscopic structure of	of Trachea b) His	stology of Hyaline cartilage		
c) Anatomy of Parotid gland	d) Developmen	t of oral mucosa	e) Spinal cord.		
	OCTOBER, 2003. (N	.R.)			
Part-A					
1. Describe the anatomical features of	the lateral wall of the nose an	<mark>ıd nasal sep</mark> tum. 5+4	=9marks		
2. Write short answers on: 4 x 4 =16marks; a) Otic ganglion b) Hypoglossal nerve					
c) Derivatives of second pharyngeal arch d) Developmental anomalies of the lip					
3. Write briefly on: 5 x $2 = 10$ marks;	a) Mention the paranasal air s	inuses b) Ch	ambers of heart		
c) Down's syndrome	d) Cervical sympathetic chain	n e) Bar	rr bodies		

- Part-B
- 4. Describe the different types of scalp and their nerve supply. (5+4=9marks) 5. Write short notes on: $4 \ge 4 = 16$ marks;

a) Derivatives of first to fourth endodermal pouches of pharynx and ultimobranchial bodies.

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b) Attachment and relations of hyoglossus muscle

c) Meckel's cartilage

- d) Histological features of a medium sized artery.
- 6. Write briefly on: 5 x 2 =10m; a) Histology of anterior pituitary b) Name the branches of External carotid artery c) Four structures attached to styloid process d) Different papillae present on the tongue e) Auditory tube.

APRIL, 2003. (N.R.)

- Part-A
- 1. Describe the temporo-mandibular joint under the following:
- Headings: Bones talking part, Ligaments and Muscles producing movements. (2+3+4=9marks)
- Write short notes on: 4 x 4 =a) External jugular vein
 b) Blood supply and development of thyroid gland
 c) Microscopic structure of medium sized artery
 d) Nasopharynx
- 3. Write briefly on: 5 x 2 =a) Erb's point b) Name four paired dural venous sinuses c) Contents of carotid sheath d) Nerve supply of tensor palati and levator palati muscles e) Enumerate paranasal air sinuses

Part-B

- 4. Describe the gross anatomy, microscopic structure and nerve supply of parotid salivary gland (3+3+3=9marks)
- 5. Write short notes on: 4 x 4 =a) Circle of Willis b) Derivatives of second branchial arch c) Lingual nerve d) Microscopic structure of bone
- 6. Write briefly on: $5 \ge 2 = a$) Name the cranial nerves which are sensory and motor to the face.
- b) Mastoid process c) Vocal cord d) Transitional epithelium e) Nerve supply and action of buccinator muscle

OCTOBER, 2002.

Part-A

- 1. Describe the course, branches and distribution of mandibular division of Trigeminal nerve (3 + 3 + 3 = 9m)
- 2. Write short answers on: 4 x 4 =16marks
 a) Lacrimal Apparatus b) Cleft Lip c) Lingual Artery
 d) Microscopic structure and development of parathyroid glands
- 3. Write briefly on: 5 x 2 =10marks (a) Ansa Cervicalis (b) Hernia (c) Dangerous area of Scalp (c) Name the cartilages of larynx (c) Styloid Apparatus

Part-B

- 4. Describe the anatomy, nerve supply and lymphatic drainage of tongue =9marks
- 5. Write short answers on: 4 x 4 =16 a) Pterygoid plexus of veins b) Microscopic Structure of Lymph Node c) Development of Hypophysis Cerebri d) Supra Sternal Space
- 6. Write briefly on: 5 x 2 =10m a) Structures pierced by the Parotid Duct
 b) Meckel's Cartilage
 c) Central artery of Retina
 d) Pharyngeal Plexus
 e) Name the bones ossified in membrane
 11th February,2002 (New Regulations) Time:3hours Marks:70
 Answer all

Part-A

- 1. Describe the attachments, actions and nerve supply of muscles of mastication (4+4+1=9marks)
- 2. Write short answers on: 4 x 4 =16marks
 a) Facial artery
 b) Microscopic anatomy and development of Tonsil
 c) Subclavian Triangle
- 3. Write briefly on: $5 \ge 2 = 10$ a) Oral diaphragm b) Spheno Mandibular Ligament
- c) Conducting system of heart d) Four components of deep cervical fascia e) Processes of duramater of Brain Part-B
- 4. Describe the position, relations, microscopic structure & applied anatomy of thyroid gland = 9marks)
- 5. Write short notes on: $4 \times 4 = 16m$ a) Oblique Facial Cleft b) Inferior Alveolar Nerve
- c) Maxillary Air Sinus d) Middle Meningeal Artery

6. Write briefly on: $5 \ge 2 = 10$ m a) Derivatives of third Pharyngeal Pouch b) Types of Synovial Joints

c) Middle ear Ossicles d) Significance of Pyriform Fossa e) Pre maxilla

FIRST B.D.S. 11th February, 2002 (Old Regulations) Time: 3hours - Marks: 80 - Answer all Part-A

- 1. Describe the origin, insertion, nerve supply and action of muscles of mastication =10marks
- 2. Write short notes on: $6 \ge 5 = 30$ marks
 - a) Naso Pharynx b) Development of Palate c) Microscopic appearance of Parotid Salivary Gland d) Circle of Willis e) Epithelium f) Auditory tube
- Part-B
- 3. Classify Dural Venous Sinuses. Write in detail about the Cavernous sinus =10marks

4. Write short notes on: $6 \times 5 = 30 \text{ m}$ a) Microscopic appearance of Thyroid Gland b) Nasal Septum d) Lingual Artery e) Cervical Plexus f) Waldeyer's Ring c) Development of Tooth

FIRST B.D.S.- 6th AUGUST 2001. - Time-3hrs - Marks: 80 - Answer all questions

- 1. Enumerate contents of Infratemporal Fossa. Write in detail about the mandibular nerve =10marks
- 2. Short Notes: a) Thyroglossal Duct b) Microscopic structure of Bone c) Facial Artery d) Falx Cerebri e) Danger area of scalp f) Palatine Tonsil =6x5=30 marks
- Part-B

Part-A

3. Name the para nasal air sinuses and write in detail about the Maxillary sinus =10marks

- 4. Short Notes: a) Meckel's cartilage b) Spinal cord c) Microscopic structure of pancreas
 - d) Mylohyoid muscle e) Trachea f) Piriform recess =6x5=30 marks

FEBRUARY, 2001.

Part-A

- 1. Describe the Temporo-mandibular Joint in detail –10marks
- 2. Short Notes:a) Lingual Artery b) Tympanic membrane c) Microscopic structure of Parotid salivary gland e) Dangerous area of scalp f) Nerve supply and development of Tongue-6x5=30m d) Digastric muscle Part-B
- 3. Describe the cavernous sinus and its applied Anatomy –10marks
- 4. Short notes: a) Buccinator b) Microscopic Anatomy of Elastic cartilage c) Nasopharynx

d) Subclavian triangle e) Carotid sheath f) Pterygopalatine Ganglion =6x5=30marks

14th FEBRUARY, 2000.

Part-A

1. Discuss the development of face and mention the developmental anomalies of the face =10marks

2. Write short notes on: 6x5=a) Inferior constrictor muscle b) Vocal cords c) Emissery veins

d) Lingual nerve e) Lymphatic drainage of Tongue f) Microscopic structure of skeletal muscle

Part-B

3. Describe the gross anatomy, blood supply and development of pituitary gland =10marks

4. Write short notes on: 6x5=30 marks

a) Superior sagittal sinus b) Microscopic structure of Thymus c) Tympanic membrane

d) Middle cerebral artery e) Thyroid cartilage f) Derivities of the second pharyngeal arch **OCTOBER, 1999.**

Part-A

1. Classify the dural venous sinuses. Describe the Cavernous sinus =10marks

2. Write short notes on: 6x5=a) Pretracheal fascia c) Development of Palate b) Maxillary Sinus e) Internal features of Nasopharynx d) Buccinator muscle f) Microscopic structure of large artery

Part-B

3. Describe the gross anatomy, blood supply and nerve supply of parotid gland =10 marks

4. Write short notes on: 6x5=a) Trochloear Nerve b) Thyrohyoid membrane

c) Microscopic structure of suprarenal gland d) Periosteum e) Enlargements of spinal cord f) Facial vein 6th APRIL, 1999.

Part-A

1. Define muscles of mastication. Describe attachements, relations and actions of Pterygoid muscles =10marks

2. Write short notes: 6x5=a) Vertebral artery b) Ciliary ganglion c) Carotid sheath d) Nerve supply of soft palate e) Tentorium cerebelli

Part-B

3. Describe the Temporomandibular joint =10marks

4. Write short notes on: 6x5=a) Right recurrent laryngeal nerve b) Blood supply of thyroid gland

c) Floor of the fourth ventricle of Brain d) Microscopic structure of Bone e) Derivatives of Pharyngeal pouches f) Mastoid process

OCTOBER, 1998.

Part-A

1. Describe the gross anatomy, applied anatomy and microscopic structure of the parotid salivary gland =10m

2. Write short notes on: 6x5=a) Epiglottis b) Lateral pterygoid muscle c) Development of the thyroid gland

e) Maxillary air sinus f) Sensory nerve supply of face d) Microscopic structure of Bone

Part-B

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f) Microscopic structure of Tonsil

- 3. Describe the nerve supply of the face =10 marks
- 4. Write short notes on: 6x5=30 a) Microscopic structure of Thymus c) Internal Jugular vein d) Maxillary artery e) Soft Palate APRIL, 1998.

Part-A

- 1. Describe the gross and applied anatomy of the Thyroid gland =10marks
- 2. Short Notes: a) Digastric muscle b) External Jugular vein c) Pharyngotympanic tube(Auditory tube)
 d) Development of tongue e) Microscopic structure of lymph node f) Sensory nerve supply of face-6x5

b) Development of Deciduous teeth

f) Tympanic membrane

Part-B

- 3. Describe the lateral wall of the Nasal Cavity =10marks
- 4. Short notes: a) Facial artery b) Developmental anomalies of the Face c) Hypoglossal nerve in the neck d) Microscopic structure of Hyaline cartilage e) Suboccipital triangle f) Cricoid cartilage =6x5 OCTOBER, 1997.

Part-A

- 1. Describe the blood supply and nerve supply of the Scalp =10marks
- 2. Short Notes: a) Vocal folds b) Cervical part of Trachea c) Orbicularis Oculi muscle d) Hyoid arch e) Microscopic structure of Hypophysis cerebri =5x5=25marks

Part-B

- 3. Describe the deep cervical Fascia =10marks
- 4. Short Notes: a) Extracranial part of Facial nerve b)Carotid triangle c)Emissary veins d)Lingual papillae e) Gross anatomy and development of palatine tonsil f) Deciduous teeth =6x5=30marks

APRIL, 1997.

Part-A

- 1. Describe origin, course and distribution of mandibular nerve =10marks
- 2. Short Notes: a) Hyoglossus muscle b) Piriform fossa c) Development of upper lip d) Sensory nerve supply of face e) Microscopic structure of artery =5x5=25marks

Part-B

- 3. Describe the origin, course and distribution of the maxillary artery =10marks
- 4. Short notes: a) Maxillary air sinus b) Microscopic structure of thyroid
- c) Development of tongue d) Vocal cords e) Lateral pterygoid OCTOBER, 1996. f) Trachea –6x5=30

Part-A

- 1. Describe the relations, tributaries and connections of the cavernous sinus =10marks
- 2. Short Notes: a) Meckel's cartilage b) Histology of a mixed peripheral nerve

c) Lymphatic drainage of tongue d) Styloid apparatus e) Nasal septum -5x5=25marks Part-B

- 3. Describe the temporomandibular joint. What are the movements possible in this joint? Name the muscle causing the movements =10marks
- 4. Short Notes: a) Microscopic structure of the tonsil b) Superior oblique muscle of the eye ball c) Carotid sheath d) Nerve supply of the submandibular gland

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e) Thyroid cartilage f) Development of parathyroids –6x5