



# I.T.S Dental College, Hospital & Research Centre

47, Knowledge Park- III, Greater Noida

## First Internal Assessment Examination-February 2017

**BDS I<sup>st</sup> Year (2016 Batch)**

**Subject: Human Anatomy**

Dated: 02.02.2017

- All Questions are compulsory.
- Draw well labeled diagrams wherever necessary.
- Use separate sheet for Part-A & Part-B.

Time: 03:00 hrs

MM:70

### ~~Part-A~~

Q:1

Describe position, parts, relations, blood supply & applied anatomy of thyroid gland.

8

Q:2

Describe the boundaries, roof, floor and contents of carotid triangle.

8

Q:3

Write short notes on:-

3x3=9

- a. Stenson's Duct
- b. Internal Jugular Vein
- c. Sensory Supply of face.

Q:4

Write the correct answer of the following multiple choice question:-

2x5=10

**A. All the following muscles are innervated by facial nerve except:-**

- 1) Occipital frontalis
- 2) Anterior belly of Digastric
- 3) Risorius
- 4) Procerus

**B. Surface Ectoderm gives rise to all of the following structures except-**

- 1) Lens
- 2) Corneal Epithelium
- 3) Conjunctival Epithelium
- 4) Anterior layer of Iris

**C. Elastic types of cartilage is present in all except-**

- 1) Cricoid cartilage
- 2) Epiglottis
- 3) Cartilage of Auricle
- 4) Cartilage of Auditory tube.

**D. Metopic suture is present in-**

- 1) Parietal bone
- 2) Frontal bone
- 3) Occipital bone
- 4) Temporal bone

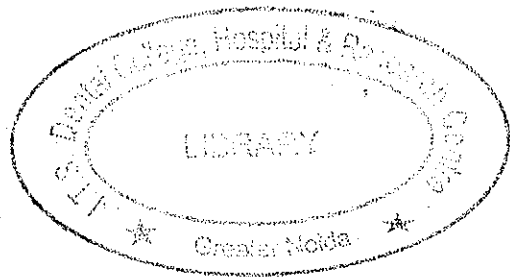
**E. All of the following are derivatives of deep cervical fascia except-**

- 1) Pretracheal fascia
- 2) Prevertebral fascia
- 3) Stylomandibular ligament
- 4) Sphenomandibular ligament

P.T.O

## Part-B

- Q:5                      a) Classify Joints 8  
                              b) Explain fibrous joints in detail
- Q:6                      Write short notes on:- 3+3+3=9  
                              a) Spermiogenesis  
                              b) Sub-mental group of lymph nodes  
                              c) Ansa Cervicalis
- Q:7                      Give brief account of:- 4+4=8  
                              a) Modifications of deep fascia.  
                              b) Venous return.
- Q:8                      Enumerate- 1x4=4  
                              a) Branches of ECA  
                              b) Paired cranial venous sinuses  
                              c) Infra hyoid muscles  
                              d) Derivatives of neuraxis
- Q:9                      Explain why- 2x3=6  
                              a) Inferior thyroid artery is ligated away from the thyroid gland during thyroid surgery.  
                              b) Wounds of scalp bleed profusely.  
                              c) Inflammatory swellings of parotid are very painful.



**I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE**  
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**Second Internal Assessment Examination**

**BDS 1<sup>st</sup> year (2016 Batch)**

**Subject : Human Anatomy**

Time : 3 hrs

Date : 27.05.2017

**M.M: 70**

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

**PART - A**

Q. 1 Describe the investing layer of deep cervical fascia.

[8]

Q. 2 Describe Tongue under following headings -

[8]

- Gross Anatomy
- Muscles
- Nerve supply
- Lymphatic Drainage
- Applied Anatomy

Q. 3 Write short notes on :

- Bed of Tonsils
- Movement of Eye Ball
- Medial wall of middle ear

[3X3=9]

Q. 4 Write the correct answer of the following multiple choice questions :

[2X5=10]

**A) Transitional Epithelium is found in -**

- Renal Pelvis and Calyces
  - Ureter
  - Urinary Bladder
  - Part of Urethra
- a) ii, iii are correct  
b) i, ii and iii are correct  
c) ii, iii and iv are correct  
d) all four

**B) Viral infection of Gasserian ganglion results in all of the following except -**

- Loss of pain sensation from oral part of tongue
- Loss of taste sensation from oral part of tongue
- Loss of direct corneal reflex on the same side
- Loss of consensual corneal reflex on the opposite side

**C) Regarding Trochlear Nerve all are true except -**

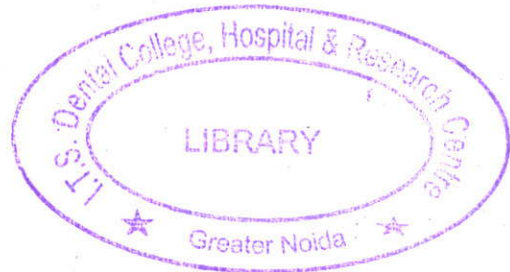
- Its nucleus is situated in central grey matter at the level of inferior Colliculus
- It emerges on dorsal surface of midbrain
- It has a long intracranial course
- Diplopia on looking upwards

**D) The safety muscle of larynx is -**

- Aryepiglotticus
- Posterior cricoarytenoids
- Vocalis
- Oblique arytenoids

**E) Arterial supply of pharynx is from -**

- Lingual A & Facial A
- Lingual, Facial, Ascending pharyngeal A
- Lingual, Facial, Maxillary & Ascending Pharyngeal A
- None of the above



## PART – B

- Q. 5 Describe temporomandibular joint under the following headings – [8]
- Articular surface and ligaments
  - Relation of joint
  - Movement & muscles producing the movement
  - Applied Anatomy
- Q. 6 Describe submandibular gland under the following headings – [8]
- Gross Anatomy
  - Relations
  - Histology
  - Applied Anatomy
- Q. 7 Write short notes on : [4X2=8]
- Maxillary sinus Air
  - Development of thyroid gland and its anomalies
- Q. 8 Explain Anatomical basis of – [2X3=6]
- Pain in middle ear in tonsillitis
  - Frey's Syndrome
- Q. 8 Enumerate – [1X5=5]
- Structure passing through internal Acoustic meatus.
  - Muscles of Soft Palate.
  - Skeletal derivatives of second pharyngeal arch mesoderm.
  - Muscles attached to styloid process with nerve supply.
  - Branches of first part of maxillary A





# I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE

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## Final Internal Assessment Examination

BDS 1<sup>st</sup> year (2016 Batch)

Subject : Human Anatomy

Time : 3 hrs

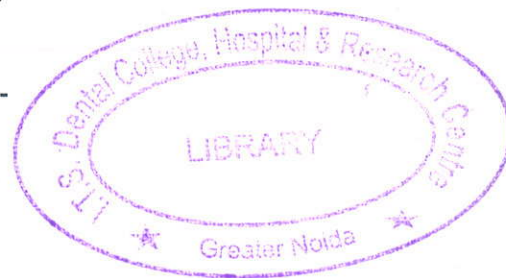
Date : 06.10.2017

M.M: 70

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw a well labelled diagram wherever necessary

### PART - A

- Q. 1 Describe the facial nerve under the following headings – [4X2=8]  
a. Nuclei and functional components  
b. Course and Relations  
c. Branches and Distribution  
d. Applied Anatomy including supranuclear and infranuclear lesions
- Q. 2 Describe briefly - [2X4=8]  
a. Palatine muscles  
b. Pterygopalatine ganglion
- Q. 3 Write short notes on : [3X3=9]  
a. Cervical Plexus  
b. Developmental Anomalies of face  
c. Microanatomy of tongue
- Q. 4 Write the correct answer of the following multiple choice questions : [2X5=10]  
**A) Structure passing through sup. Orbital fissure are all except -**  
i). Inferior ophthalmic vein      ii). Superior ophthalmic vein  
iii). Optic nerve      iv). Abducent nerve  
**B) All the muscles are supplied by pharyngeal plexus except -**  
i). Stylopharyngeus      ii). Middle constrictor  
iii). Salpingopharyngeus      iii). Palatoglossus  
**C) The structure that occupy the fenestra vestibule is –**  
i). Stapedius muscle      ii). Base of stapes  
iii). Tensor tympani      iii). Facial nerve  
**D) Glossopharyngeal nerve supplies mucosa of –**  
i). Ant. 2/3 of tongue      ii). Post. 2/3 of tongue  
iii). Post. 1/3 of tongue      iv). Whole of dorsum of tongue  
**E) which of the following cranial nerve nucleus does not supply skeletal muscle developed from pharyngeal arch mesoderm –**  
i). Nucleus ambiguus      ii). Dorsal motor nucleus of vagus  
iii) Motor nucleus of facial nerve      iv). Motor nucleus of trigeminal nerve



### PART – B

- Q. 5 Describe the origin, course, branches, distribution and applied anatomy of Lingual Artery. [8]
- Q. 6 Describe briefly – [2X4=8]  
a. Lateral wall of nose  
b. Palatine tonsils
- Q. 7 Write short notes on : [3X3=9]  
a. Muscles of Mastication  
b. Circle of Willis  
c. X-linked recessive inheritance
- Q. 8 Explain the Anatomical basis of the following – [2X2=4]  
a. Enlargement of thyroid gland results in dyspnoea and dysphagia  
b. Infants are very prone to middle ear infection
- Q. 8 Enumerate – [2X3=6]  
a. Derivatives (muscular & skeletal) of 1<sup>st</sup> pharyngeal arch  
b. Branches of subclavian artery  
c. Paranasal sinuses and its nerve supply