



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

47, Knowledge Park- III, Greater Noida

First Internal Assessment Examination-February 2017

BDS Ist 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

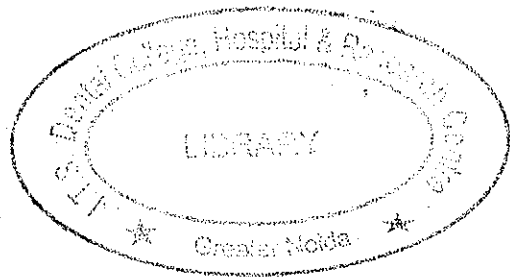
E. All of the following are derivatives of deep cervical fascia except-

- 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.



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47, Knowledge Park-III, Greater Noida

Second Internal Assessment Examination

BDS 1st 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 -

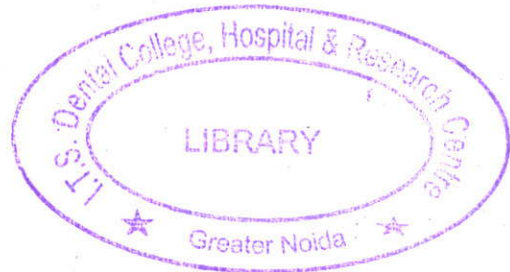
- Its nucleus is situated in central grey matter at the level of inferior Colliculus
- It emerges on dorsal surface of midbrain
- It has a long intracranial course
- Diplopia on looking upwards

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

47, Knowledge Park-III, Greater Noida

Final Internal Assessment Examination

BDS 1st year (2016 Batch)

Subject : Human Anatomy

Time : 3 hrs

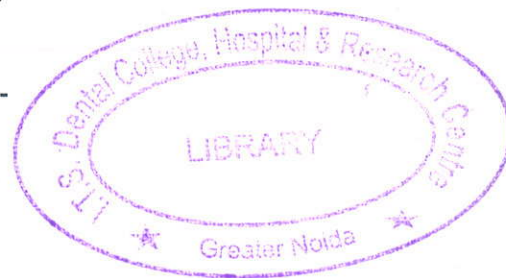
Date : 06.10.2017

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 1st pharyngeal arch
b. Branches of subclavian artery
c. Paranasal sinuses and its nerve supply

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

47, Knowledge Park-III, Greater Noida

First Internal Assessment Examination

BDS 1st Year (2017 Batch)

Subject : Human Anatomy

Time : 3 hrs

Date : 16.12.2017

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 the Deep Cervical Fascia 8
- Q. 2 Write briefly on - [2X4=8]
a. Anastomoses
b. Pneumatic Bones
- Q. 3 Write short notes on : [3X3=9]
a. Primitive Streak
b. Acrosome Reaction
c. Frontonasal Process
- Q. 4 Write the correct answers of the following multiple choice questions (MCQ's) : [5X2=10]

A) Select the incorrect statement about the scalp -

- i). It extends posteriorly upto superior nuchal line
- ii). Epicranial aponeurosis forms its second layer
- iii). Its motor supply is derived from facial N.
- iv). Its vessels fail to retract when cut.

B) Regarding Bell's Palsy, which of the following statements are not correct -

- i). It is lower motor neuron type of paralysis of the facial muscles
- ii). The upper facial muscles are not affected.
- iii). It occurs due to compression of facial nerve in the facial canal.
- iv). It leads to accumulation of food in the vestibule of mouth.

C) Regarding platysma, all of the following statements are correct except -

- i). It is present deep in investing layer of deep cervical fascia
- ii). Morphologically it represents panniculus carnosus.
- iii). It is innervated by facial nerve
- iv). Its contractions relieve the pressure of skin on superficial veins of the neck.

D) Select the incorrect statement regarding anterior jugular vein -

- i). It is formed below the chin in submental region.
- ii). It runs about 1 cm lateral to anterior midline of the neck
- iii). It is joined by its counterpart of opposite side by jugular venous arch.
- iv). It drains into subclavian vein.

E) Which of the following nerves run with vagus between ICA and IJY till the angle of the mandible the carotid triangle -

- i). Hypoglossal
- ii). Accessory
- iii). Glossopharyngeal
- iv). Maxillary

PART – B

Q. 5 Describe the Parotid Gland under the following headings with suitable diagrams-

[8]

- a. Location and gross anatomy
- b. Relations and parotid duct.
- c. Blood supply and nerve supply
- d. Applied anatomy.

Q. 6 Write short notes on-

[3X3=9]

- a. Derivatives of second pharyngeal arch.
- b. Contents and floor of Digastric Triangle.
- c. Parasympathetic secreto motor fibres to Lacrimal Gland

Q. 7 Explain the basis of –

[2X4=8]

- a. Black Eye
- b. Loose areolar tissue layer is the dangerous area of scalp.
- c. Wounds of scalp bleed profusely
- d. Facial artery is called anaesthetist artery

Q. 8 Write the correct answers for the following MCQs-

[2X5=10]

A. All of the following arteries are present in the Carotid triangle except –

- | | |
|--------------------------------|--------------------|
| i) Ascending pharyngeal artery | ii) Lingual artery |
| iii) Sublingual artery | iv) Facial artery |

B. The thyrohyoid muscle is supplied by-

- | | |
|--|--------------------------------------|
| i) Superior root of ansa cervicalis | ii) Inferior root of ansa cervicalis |
| iii) Ventral ramus of C ₁ through hypoglossal nerve | |
| iv) Ventral ramus of C ₁ through superior laryngeal nerve | |

C. Regarding digastric muscle, all of the following statements are true except –

- i) Its posterior belly is bipinnate and is supplied by facial nerve.
- ii) Its anterior belly is unipennate and is supplied by mandibular nerve.
- iii) Its intermediate tendon is anchored to hyoid bone by a fascial sling.
- iv) It helps to elevate the mandible.

D. From the following statements select the incorrect statement about trapezius muscle-

- i) It arises from lateral third of the superior nuchal line
- ii) Its lower part is inserted in the tubercle on the spine of scapula.
- iii) It is supplied by spinal accessory nerve
- iv) Its upper fibres help in shrugging the shoulders.

E. Suprasternal space of Burns contains all except one of the following structures-

- i) Sternal heads of Rt and Lt sterno cleido mastoid
- ii) Jugular venous arch
- iii) Interclavicular Ligament
- iv) Sternohyoid muscle.