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Roll No.

B.D.S. - I Prof.

5135 (N)

B.D.S. Examination, August 2012

Human Anatomy Embryology,

Histology, Medical Genetics

BDS - 01 (N)

Time: Three Hours / Maximum Marks : 70

Note : All questions are compulsory. Write Part A and Part B in separate copies. Draw diagrams wherever necessary.

Part - A

1. Describe Position, Relations, Blood Supply, development and applied Anatomy of Parotid Gland. 8
2. Describe functional components, course, distribution of Salivary Glands. 8

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6. Give an account of the following : $4+4=8$
 - (a) Development of Thyroid Gland and its anomalies
 - (b) Circle of Willis
 7. Write short notes on the following : $3 \times 3 = 9$
 - (a) Stenson's Duct
 - (b) Internal Jugular Vein
 - (c) Frontal air Sinus
 8. Part-I : Explain the Anatomical Basis of the following : $2 \times 2 = 4$
 - (a) Left recurrent laryngeal nerve, hooks the arch of Aorta while the Right recurrent laryngeal nerve hooks the right subclavian artery
 - (b) Corneal reflex
- Part-II : Enumerate the following (Description & diagram not required) $2 \times 3 = 6$
- (a) Sensory nerve supply of face
 - (b) Paranasal sinuses
 - (c) 4 structures attached to Styloid process

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tribution and applied anatomy of Hypoglossal Nerve. 8

3. Write short notes on the following :

- (a) Nerve Supply of Larynx $3 \times 3 = 9$
- (b) Ciliary Ganglion and connections
- (c) Foramen Magnum

4. Write the correct answers of the following multiple choice questions : $2 \times 5 = 10$

(i) Sphenopalatine Foramen Connects Pterygopalatine fossa with

- (a) Orbit
- (b) Nasal Cavity
- (c) Temporal fossa
- (d) Middle Cranial fossa

(ii) Regarding Trochlear Nerve all are true except

- (a) Its nucleus is situated in Central Grey matter at the level of inferior colliculus
- (b) IV Nerve emerges on dorsal surface of midbrain
- (c) It has a long intracranial course
- (d) Diplopia on looking upwards

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(iii) All of the following signs could result from infection with in the right Cavernous Sinus except

- (a) Loss of pupillary light reflex
- (b) Loss of corneal blink reflex
- (c) Ptosis
- (d) Right Ophthalmoplegia

(iv) All the following muscles are innervated by facial Nerve except :

- (a) Occipito frontalis
- (b) Anterior belly of digastric
- (c) Risorius
- (d) Procerus

(v) Surface Ectoderm gives rise to all of the following structures except :

- (a) Lens
- (b) Corneal epithelium
- (c) Conjunctival epithelium
- (d) Anterior layer of Iris

Part - B

5. Describe the Course branches and distribution of Lingual artery. 8

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