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(2099)
B.D.S. I Prof.

Roll No. 6099001

5135 (N)

B.D.S. Examination Sept. - 2009

**Human Anatomy Embryology, Histology,
Medical Genetics**

BDS - 01

(New)

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 the position, relations, blood supply and applied anatomy of Palatine Tonsil. **8**
2. Describe the boundaries of the Posterior Triangle and enumerate its contents. **8**
3. Write short notes on the following: **3+3=9**
 - (a) Microanatomy of Tongue.
 - (b) Derivatives of Endodermal Pharyngeal Pouches.
 - (c) Buccinator muscle.

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4. Write the correct answers of the following multiple choice questions. **2x5=10**

I. Middle meningeal artery enters cranial cavity through.

- (a) Foramen Lacerum
- (b) ~~Foramen ovale~~
- (c) Foramen Transversarium
- (d) ~~Foramen spinosum~~

II. All of the following arteries anastomose at little's area of nasal septum except.

- (a) Anterior ethmoidal
- (b) Sphenopalatine
- (c) ~~Ascending Palatine~~
- (d) Greater palatine

III. Cricothyroid muscle is supplied by.

- (a) Internal Laryngeal nerve
- (b) ~~External Laryngeal nerve~~
- (c) Recurrent Laryngeal nerve
- (d) Inferior Laryngeal nerve

IV. Horner's syndrome does not include:

- (a) ~~Mydriasis~~
- (b) Ptosis
- (c) Enophthalmos
- (d) ~~Anhidrosis~~

V. Sensory fibres conveying taste sensation terminate in which of the following nuclei?

- (a) Nucleus Ambiguus
- (b) Main Sensory nucleus of Trigeminal
- (c) ~~Nucleus of Tractus solitarius~~
- (d) Dorsal nucleus of Vagus

Section 'B'

5. Describe the course, relations, branches and applied anatomy of Hypoglossal Nerve. **8**

6. Give an account of the following:

- (a) Lymphatic drainage of Tongue. **4**
- (b) Sensory innervation of tongue correlating with development. **4**

7. Write short notes on the following: **3x3=9**

- (a) Nerve supply of teeth.
- (b) Parotid duct.
- (c) Anterior Facial Vein.

8. Part I: Explain the anatomical basis of the following: **2x2=4**

- (a) Wounds of the scalp bleed profusely.
- (b) Enlargement of thyroid gland results in dysphagia and dyspnoea.

Part II: Enumerate the following (Description and diagram not required). **2x3=6**

- (a) Branches of third part of Maxillary artery.
- (b) Structures forming floor of carotid triangle.
- (c) Extraocular muscles supplied by oculomotor nerve.