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(2093)

BDS Ist Prof.

5135

B. D. S. Examination, Sept. 2003

**GENERAL HUMAN ANATOMY INCLUDING
EMBRYOLOGY, OSTEOLOGY AND
HISTOLOGY**

First Paper

(BDS-01)

Time : Three Hours]

[Maximum Marks : 50

Note : Attempt *all* questions. Draw diagrams wherever required. All parts of *one* question should be answered continuously.

1. Describe origin, insertion, nerve supply and actions of the following muscles :

- | | |
|---------------------------------|---|
| (a) Masseter | 5 |
| (b) <u>Sternocleidomastoid.</u> | 5 |

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2. Describe briefly :
- (a) Mental Foramen 2
 - (b) Styloid process of the temporal bone 2
 - (c) Aponeurosis 2
 - (d) Synovial joint 2
 - (e) Epithelium. 2
3. Describe the microscopic structure of the following :
- (a) Sublingual salivary gland 4
 - (b) Pancreas. 4
4. Enumerate the following (description is not required) :
- (a) Carpal bones 2
 - (b) Derivatives of the first pharyngeal arch 2
 - (c) Branches of the maxillary nerve 2
 - (d) Movements at the shoulder joint 2
 - (d) Branches of the facial artery 2
5. Write short notes on the following :
- (a) Umbilical cord 3
 - (b) Thoraco-abdominal diaphragm 3
 - (c) Nerve supply of the tongue 3
 - (d) Thalamus. 3

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B. D. S. Examination, April 2003

Paper I

General Human Anatomy including Embryology,
Osteology and Histology

(BDS-01)

Time: (Three Hours) Maximum Marks : 50

Note: Attempt all questions. Draw diagrams wherever required. All parts of one question should be answered continuously.

Describe the commencement, course and distribution of the branches of the external carotid artery. 8

Describe briefly the following : 2×4=8

(a) Fibrous joints

(b) Development of the tongue

(c) Middle meatus of the nasal cavity

(d) Lymphatic drainage of thyroid gland

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3. Give a brief account of the following : $4 \times 2 = 8$

(a) Pleura

(b) Tributaries and communications of cavernous sinus.

4. Draw and label diagram(s) to show the histological features of the following (No description required) : $2\frac{1}{2} \times 4 = 10$

(a) Transitional epithelium

(b) Fundus of stomach

(c) Kidney

(d) Submandibular salivary gland.

5. Enumerate (no description) the following : $2 \times 4 = 8$

(a) Arteries supplying middle ear

(b) Nerves supplying nasal septum

(c) Branches of posterior cord of brachial plexus

(d) Infrahyoid strap muscles in neck.

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Write short notes on the following : $2 \times 4 = 8$

(a) Dangerous area of face

(b) Sclerotomes

(c) Third pharyngeal pouch

(d) Sex-chromatin.

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