

**I – B.D.S. (2008 COURSE) : WINTER - 2018**

**SUBJECT: GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY**

Day : Monday  
Date : 03/12/2018

**W-2018-3750**

Time: 09.00 AM TO 12.00 NOON  
Max. Marks: 70.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

**SECTION-I**

**Q.1** Describe the scalp under the following headings; layers, blood supply, nerve supply, applied anatomy. **(10)**

**OR**

Describe the temporo-mandibular joint under the following headings: articular surfaces, ligaments, relations, muscles acting on the joint and applied anatomy. **(10)**

**Q.2** Short Essay Questions (**Any Three**) **(15)**

- a) Cavernous venous sinus.
- b) Blood supply of the stomach.
- c) Right atrium of the heart.
- d) Classification of synovial joints with examples. Add a note on structure of synovial joints.

**Q.3** Write short answer (**Any Five**) **(10)**

- a) Name any 4 branches of external carotid artery.
- b) Give the nerve supply and action of buccinator muscle.
- c) Draw and label parts of a long bone.
- d) Give nerve supply and action of the extra ocular superior oblique muscle.
- e) Name the structures in the hilum of the right lung.
- f) Give nerve supply and action of sternocleidomastoid muscle.

**SECTION-II**

**Q.4** Describe the boundaries and contents of the posterior triangle. **(10)**

**OR**

Write a note on parotid gland under the following headings: parts of the gland with relations, coverings, structures passing through, nerve supply, blood supply, parotid duct and applied anatomy. **(10)**

**Q.5** Short Essay Questions (**Any Three**) **(15)**

- a) Corpus Callosum.
- b) Effects of fertilization.
- c) Karyotyping.
- d) Microscopic picture of thyroid gland.

**Q.6** Write short answer (**Any Five**) **(10)**

- a) Draw and label structure of the sperm.
- b) Draw and label microscopic picture of compact bone.
- c) Name the infrahyoid strap muscles. Give their nerve supply.
- d) Define end arteries. Give two examples.
- e) Name any 4 types of structural variety of chromosomal aberrations.
- f) Name the prerequisites of implantation.

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