

BACHELOR OF DENTAL SURGERY (2008 COURSE)
FIRST - B.D.S. : WINTER :- 2021
SUBJECT: GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY & HISTOLOGY

Day : Monday
Date 14-03-2022

W-3789-2021

Time : 09:00 AM-12:00 PM
Max. Marks: 70

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat labelled diagram **WHEREVER** necessary.
- 4) Both the sections should be written in **SEPARATE** answer books.

SECTION-I

- Q.1** Describe the gross anatomy of the larynx under the following headings: parts of the larynx, cartilages and membranes of the larynx, joints of the larynx, muscles acting on the laryngeal inlet and the true vocal folds, nerve and blood supply of the larynx, lymphatic drainage and applied anatomy. **(10)**

OR

Describe the thyroid gland under the following headings: parts, coverings, relations, blood supply and applied anatomy. **(10)**

- Q.2** Write notes on **ANY THREE** of the following: **(15)**

- a) Synovial joints
- b) Buccinator muscle
- c) Broncho-pulmonary segments of the lungs
- d) Classification of bones

- Q.3** Answer **ANY FIVE** of the following: **(10)**

- a) Name arteries supplying scalp.
- b) Name structures passing into the pharynx between the superior and middle constrictors of pharynx.
- c) Name any 4 muscles in floor of posterior triangle.
- d) Give the sensory nerve supply of anterior 2/3rd of tongue.
- e) Name nerves supplying extra ocular muscles of the eye.
- f) Give posterior relations of the left kidney.

SECTION-II

- Q.4** Describe the glossopharyngeal nerve under the following headings: origin with functional components, intra cranial and extra cranial course, branches and distribution and applied anatomy. **(10)**

OR

Classify the intra cranial venous sinuses. Describe the cavernous venous sinus: formation, contents, communications and tributaries, relations and applied anatomy. **(10)**

- Q.5** Write notes on **ANY THREE** of the following: **(15)**

- a) Functional areas of the brain
- b) Draw and explain the microscopic picture of trachea
- c) Explain the embryogenesis of the face and its developmental anomalies
- d) Karyotyping

- Q.6** Answer **ANY FIVE** of the following: **(10)**

- a) Name 2 pre requisites for fertilization
- b) Draw the microscopic picture of testis
- c) Name any 4 features of Down's syndrome
- d) Draw and label a tertiary chorionic villus
- e) Name the arteries that supply the lateral wall of nose
- f) Name the branches of external carotid artery

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