

**M.D. DEGREE EXAMINATION  
BRANCH XXIII – ANATOMY**

**PAPER III – HISTOLOGY, NEURO ANATOMY AND MUSEUM TECHNIQUES**

*Q.P. Code : 202091*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe facial nerve under following headings functional components and nuclei, course and relations, branches and distribution and applied anatomy.
2. Describe the histology of respiratory tract under the following headings nasal cavity, pharynx, larynx, trachea and the lungs.

**II. Short notes:**

**(10 x 5 = 50)**

1. Spiral organ of corti.
2. Fat stain.
3. Cavity embalming.
4. Histology of testis.
5. Corpus striatum.
6. Third ventricle.
7. Transverse section of midbrain at the level of superior colliculus.
8. Blood supply of spinal cord.
9. Haematoxylin.
10. Histology of hyaline cartilage.

**III. Reasoning Out:**

**(4 x 5 = 20)**

**State whether each of the following statement is TRUE or FALSE and reason out.**

1. Serous demilunes are frequently present in submandibular gland.
2. Xylene is used as a dehydrating agent.
3. Circumvalate papillae is supplied by chorda tympani nerve.
4. Lesion of the left optic tract gives a right homonymous hemianopia.

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