

**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 glossopharyngeal nerve under following headings functional components and nuclei, course and relations, branches and distribution and applied anatomy.
2. Describe the histology of small intestine under following headings duodenum, jejunum and ileum and discuss the various specialized epithelial cells present in the mucosa.

II. Short notes: (10 x 5 = 50)

1. Periodic acid schiff's stain.
2. Embedding.
3. Composition of embalming fluid.
4. Histology of cerebrum.
5. Inferior colliculus.
6. Fourth ventricle.
7. Corpus callosum.
8. Hypothalamus.
9. Histology of prostate.
10. Histology of elastic artery.

III. Reasoning Out: (4 x 5 = 20)

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

1. Merocrine type of sweat glands are present in axilla.
2. In the testis, sertoli cells support developing germ cells and provide with nutrition.
3. Hemisection of spinal cord causes loss of pain and temperature on the opposite side below the level of lesion.
4. In bell's palsy the entire half of the face is paralysed.
