

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 the microscopic anatomy of the Liver.
2. Write an essay about the Thalamus, its nuclei and connections.

II. Short notes:

(10 x 5 = 50)

1. Embedding media.
2. Third ventricle.
3. Microstructure of pancreas.
4. Histology of duodenum.
5. Embalming a cadaver.
6. Electron microscopy.
7. Circle of Willis.
8. Nuclei of Cerebellum.
9. Structure of Serous salivary gland.
10. Hassall's corpuscles.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Clara cells in lung contain cytochrome P-450 enzymes which engulf airborne Toxins.
2. Mossy fibres are present in cerebellum.
3. The hypothalamus act as a thermostat to control body temperature.
4. Light bands of skeletal muscle are A bands which are formed by overlapping actin and myosin filaments.
