

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 1022]

OCTOBER 2022

Sub. Code: 2091

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 Pancreas.
2. Write an essay about the internal capsule and its blood supply.

II. Short notes:

(10 x 5 = 50)

1. Blood Air Barrier.
2. Histology of Pituitary Gland.
3. Nuclei of cerebellum.
4. Haematoxylin and Eosin staining.
5. Circle of Willis.
6. Hassall's corpuscles.
7. Electron microscopy and its use.
8. Floor of IVth ventricle.
9. Preservation of museum specimens.
10. Histology of cardiac muscle.

III. Reasoning Out:

(4 x 5 = 20)

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

1. In Lung, Clara cells secrete surfactant.
2. Paraffin wax is used to embed nervous tissue.
3. Astrocytes help to maintain blood brain barrier.
4. In Pituitary gland pituicytes are found in pars nervosa.
