

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

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 microanatomy of the urinary tract with functional correlation.
2. Elaborate on the components of the limbic system.

II. Short notes:

(10 x 5 = 50)

1. Microanatomy of the pituitary gland.
2. Midbrain-superior colliculus level-illustrate.
3. Layers of epidermis.
4. Decalcification.
5. Histology of appendix.
6. Microanatomy of intervertebral disc.
7. Embedding.
8. Corpus callosum.
9. Auditory pathway.
10. Junctional complexes.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Formalin becomes turbid as a result of long storage due to the white precipitate of paraformaldehyde.
2. The sharpness of the microtome knife can be ascertained by the naked eye.
3. The hepatic sinusoids drain into the canals of Hering.
4. Gyrus fasciolaris forms a part of ventral fornix.
