

[LE 118]

APRIL 2014

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:

(2X10=20)

1. Describe the nuclei, course, relations and distribution of Facial nerve.
2. Describe the microscopic structure of the lining epithelium of Respiratory tract.

II. Write short notes on:

(8X5=40)

1. Cells present in the Pineal gland.
2. Histology of Vermiform Appendix.
3. Corpuscles of Hassall.
4. Rotary Microtome.
5. Tectum of Midbrain.
6. Circle of Willis.
7. Cells of connective tissue.
8. Juxta glomerular apparatus.

III. Reasoning Out:

(4X5=20)

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

1. Routine Embalming procedures involve bathing of abdominal viscera in the injected embalming fluid.
2. More than two lobules of the mammary gland are drained by a single lactiferous duct, all of which converge to open independently.
3. The cerebral aqueduct is narrow due to the roof plate of midbrain remaining thick during development.
4. Presence of intercalated discs and branching pattern are functional adaptations of the cardiac muscles.

IV. Very Short Answers:

(10X2=20)

1. Name the two layers of perichondrium.
2. What are kupffer cells?
3. Describe Medullary rays.
4. Draw the structure of the rod cell.
5. Name two fixatives.
6. Name the cells found in the pyloric gland.
7. Name the parts of the corpus striatum.
8. Give two examples for multipolar neurons.
9. Give the formation of the cerebro spinal fluid.
10. Name the types of RNA.
