

**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 trigeminal nerve under following headings - functional components and nuclei, course and relations, branches and distribution and applied anatomy.
2. Describe the histology of the uterus and fallopian tube. Add a note on their functional correlations.

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

1. Association fibres.
2. Histology of retina.
3. Auditory pathway.
4. Desmosomes.
5. Clearing agents.
6. Histology of liver.
7. Reticular fibres.
8. Cells of epidermis.
9. Substantia nigra.
10. Fixation.

**III. Reasoning Out:****(4 x 5 = 20)****State whether each of the following statement is TRUE or FALSE and reason out.**

1. Lesions of Wernicke's area in the dominant hemisphere result in inability to identify an object by its feel.
2. In cerebellar ataxia, the patient has a wide based gait.
3. The function of the stereocilia on the lining cells of the epididymis help in the absorption of the seminal fluid.
4. The matrix in hyaline cartilage has a homogenous appearance, since the matrix has no fibres in it.

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