

**MANIPAL ACADEMY OF HIGHER EDUCATION****FOURTH SEMESTER M.Sc. (MEDICAL ANATOMY)****DEGREE EXAMINATION – JULY 2021****SUBJECT: NEUROANATOMY AND BASICS OF GENETICS (MAN 702)**

Monday, July 12, 2021

Time: 10:00 – 12:30 Hrs.

Maximum Marks: 50

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with neatly drawn diagrams wherever necessary.**

✍ **Long answer questions:**

1. Describe the internal capsule in detail with its applied aspects.

(10 marks)

2. Describe the lateral ventricles of brain with a note on the circulation of CSF.

(10 marks)

3. **Short answer questions:**

3A. Lateral geniculate body.

3B. Medulla oblongata at the level of sensory decussation.

3C. Microanatomy of cerebellum.

3D. Neural tube defects.

3E. Numerical abnormalities of chromosomes.

3F. Barr bodies.

(5 marks × 6 = 30 marks)

