

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. (MEDICAL ANATOMY) DEGREE EXAMINATION – JUNE 2021

SUBJECT: GENERAL EMBRYOLOGY AND GENERAL HISTOLOGY (MAN 605)

Wednesday, June 23, 2021

Time: 10.00 – 12.30 Hrs.

Max. Marks: 50

- ✍ All questions are compulsory. Write brief, clear, relevant and legible answers.
- ✍ Illustrate your answers with diagrams and flow charts wherever appropriate.

1. Describe the event of oogenesis in detail.

(10 marks)

2. Draw a neat labelled diagram of microscopic structure of hyaline cartilage and explain the cells and matrix in detail.

(4+3+3 = 10 marks)

3. **Short Notes:**

3A. Draw and describe the microanatomy of skeletal muscle.

3B. Describe the formation and derivatives of mesoderm.

3C. Describe the microanatomy of red and white pulp of spleen.

3D. Formation and fate of neural plate.

3E. Compare and contrast between the histology of large and medium sized arteries.

3F. Stages of fertilization.

(5 marks × 6 = 30 marks)

