

(102ZOO17)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017

FIRST SEMESTER

Branch - Zoology

Paper II — CELL BIOLOGY AND IMMUNOLOGY

(New Syllabus)

Time : 3 Hours

Max. Marks : 70

I. Answer any FIVE of the following.

(5 × 4 = 20)

1. Microtubules
2. Diffusion
3. Oncogenes
4. G-Protein coupled receptors
5. Phagocytes
6. Lymphoid organs
7. Autoimmune disorders
8. AIDS.

II. Answer FOUR of the following questions.

(4 × 12.5 = 50)

9. (a) Explain the membrane transport mechanism.

Or

(b) Describe the Eukaryotic cell structure and functions

10. (a) Discuss the pathways of intracellular signal transduction.

Or

(b) Write the causes, prevention and treatment of cancer in detail.

11. (a) Describe the different types of immunity.

Or

(b) Write an account on Antibodies.

12. (a) Explain the hypersensitivity and their mechanism.

Or

(b) Give an account on the vaccine and their importance.

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