FACULTY OF SCIENCE
B.Sc. IV-Semester (CBCS) Examination, May / June 2018
Subject : Zoology

Paper - IV : Cell Biology Genetics and Evolution

Time : 3 Hours

Max. Marks: 80

SECTION – A (5 x 4 = 20 Marks)
(Short Answer Type)
Note : Answer any FIVE of the following questions.

1. What are Ribosomes?
2. Eukaryotic cells
3. t - RNA
4. Genetic code
5. Linkage
6. Haemophilia
7. Allopatric speciation
8. Genetic drift

SECTION – B (4 x 15 = 60 Marks)
(Essay Answer Type)
Note: Answer all questions from the following.

9. (a) Write about Endoplasmic reticulum and its functions.
   OR
   (b) Write about lamp brush and polytene chromosomes.

10. (a) Discuss protein synthesis.
    OR
    (b) Write an account on Electrophoresis.

11. (a) Define chromosomal mutation and write about different types of chromosomal mutations.
    OR
    (b) Explain in detail about Inborn errors of metabolism.

12. (a) Explain the theories of Lamarckism and Neatamarkism.
    OR
    (b) Write an essay on the role of isolation as factor of evolution.

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