Roll No.....

В

3021

M.Sc. (Semester I) EXAMINATION, 2018 ZOOLOGY

Third Paper

(Genetics and Evolution)

Time allowed: Three hours

Maximum marks: 50

Note: Syllabus of each paper is divided into three units. The question paper is divided into three parts: Part-A, Part-B and Part-C.

Part-A(10 marks): Part-A is compulsory and contains 10 questions. At least three questions will be set from each unit and each question carries 1 mark (50 words each).

Part-B (10 marks): Part-B is compulsory and contains five questions, taking at least one question from each

unit. Candidate is required to attempt all 5 questions. Each question carries 2 marks (100 words each).

Part-C (30 marks): 6 questions will be set taking 2 from each unit. Candidate is required to attempt 3 questions, taking 1 from each unit. Each question carries 10 marks. (400 words each).

Part-A (Compulsory)

- Name the Scientist who discovered Genetic Code.
- Define progeny wild type symbolism.
- Write Dominant Epistatic ratio.
- Define Extragenic mutation supressor.
- 5. The term Eugenic was given by?
- Explain modern synthetic theory.
- 7. Define molecular clock.
- Name the plasmids found in Bacteria.

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Unit-II

17. Write on origin of Eukaryotic cell.

Or

Describe the stages in primate evolution.

Unit-III

18. Explain pattern of change in protein and nucleotide sequence analysis sequence.

Or

Describe failure of isolating mechanism.