

B.Sc. (CBCS Pattern) Semester-II
USZOT04 - Core Paper-IV - Zoology Paper-II - Genetics and Evolution

P. Pages : 1

Time : Three Hours



GUG/S/25/11595

Max. Marks : 50

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw labelled diagram wherever necessary.

1. Give an account on Mendel's laws of genetics. 10

OR

Write a note on following.

- a) Sex linked inheritance.
- b) Lethal alleles.

2. Describe in detail on Induced and spontaneous mutation. 10

OR

Write a note on:

- a) Down's syndrome.
- b) Crossing over.

3. Give an account on Urey-Miller Experiment. 10

OR

Write a note on:

- a) Dating of fossils.
- b) Lamarckism.

4. Describe in details about mechanism of natural selection. 10

OR

Write a note on:

- a) Darwin's finches.
- b) Causes of mass extinction.

5. Write four to five lines on **any ten**. 10

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| i) Dominance. | ii) Inheritance. |
| iii) Epistasis. | iv) Translocation. |
| v) Polyploidy | vi) Induced Mutation. |
| vii) Darwinism. | viii) Fossils. |
| ix) Evolution. | x) Stabilizing selection. |
| xi) Species. | xii) Allopatric Speciation. |
