Total No. of Printed Pages: 2

SUBJECT CODE NO: - Y-2085
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. T.Y (Sem-VI)
Examination March / April - 2023
Zoology Paper- XIX (601) (Evolution)

[Time: 1:30 Hours]   [Max. Marks: 50]

Please check whether you have got the right question paper.

N. B   1) All questions are compulsory.
                              2) Illustrate your answer with suitable labelled diagram

Q1   Define Biogenesis Explain Embryological evidences of organic evolution   20

OR

Describe in details article selection and sexual selection theory?

Q2   Describe in detail the concept, salient features and mechanisms of microevolution with   20
examples?

OR

Write short note on any four of the following

    a   Types of fossils

    b   Recombination

    c   Speciation

    d   Biogenetic law

    e   Allopatric speciation

    f   Genetic drift

Q3   Select and write convert answer from the given alternatives in each sub question   10

    1.   The most accepted theory of organic evolution is _____

    a) Mutation theory   b) Synthetic theory   c) Lamark's theory   d) Natural select

    2.   Struggle for existence between the members of the different species is called as
_____

    a) Home genetic   b) Interspecific   c) Hetero specific   d) Inlier specific

1

3) The most important for speciation is_____

a) Tropical Isolation   b) Reproductive Isolation

c) Seasonal Isolation   d) Behaviour Isolation

4) Gene in population remains stable unless and until there is _____

a) Random drift   b) Mutation   c) Random mating   d) Select

5) Vestigial organ in man _____

a) Nictitating appendix   b) Coccus   c) Vermiform appendix   d) All of the above

6) Which one of the Following is living fossil_____

a) Moss   b) Spirogyra   c) Saccharomyces   d) Cycas

7) Speciation is the process of _____

a) Inneverisible   b) Divergent   c) Reversible   d) None

8) The Radioactive carbon method of determining the age of process is introduce by _____

a) Troop   b) Libya   c) Bold wood   d) Anderson

9) Theory of use disuse of organ is given by _____

a) Lamarck   b) Nanolux   c) Stebbins   d) Aristotle

10) Evolution of Horse family Equidae is classical Example of _____

a) Microevolution   b) Mega evolution   c) Retrogressive program   d) variation

2