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SUBJECT CODE NO:- 2085
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. T.Y Sem. VI
Examination March/April-2022 (To Be Held In June/July-2022)
Zoology Paper- XIX (601)
(Evolution)

[Time: 1.53 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

- N.B
- i) Attempt all questions
 - ii) Illustrate your answer with suitable labeled diagram
- Q.1 Explain in detail Darwin's theory of natural selection 20
 Describe in detail Anatomical evidences of organic evolution.
 OR
- Q.2 What is microevolution? Describe its salient features & mechanism with suitable examples. 20
 OR
- Write short notes on any four of the following
- a) Morphological concept of species
 - b) Parapatric speciation
 - c) Fossil formation
 - d) Genetic Drift
 - e) Features of mega evolution
 - f) Mutation
- Q.3 Select and write correct answer from the given alternatives in each sub question 10
- 1) A species in habiting different geographical area is known as -----
 a) sympatric b) allopatric c) siblings d) bio species
 - 2) Genetic drift is an account of -----
 a) Variation b) Mutation c) Increase in population d) Decrease in population
 - 3) The organs which have different functions but similar origin is known as -----
 a) Analogous b) homologous c) vestigial d) All of above
 - 4) The theory of use & disuse was given by -----
 a) Darwin b) Aristotle c) Lamarck d) Hackel
 - 5) Continuity of germplasm theory was given by
 a) De varies b) Weismann c) Darwin d) Lamarck
 - 6) The earliest fossil form in the phylogeny of those is -----

- a) Equus b) Mesohippus c) eohippus d) Merychippus
- 7) ----- is the change in allele frequency brought by mutation genetic drift, gene flow & natural selection
- a) Mega evolution b) Mero evolution
c) Macro evolution d) Micro evolution
- 8) Mutation may be described as -----
- a) continuous genetic variation
b) Phenotypic change
c) Discontinuous genetic variation
d) Change due to hybridization
- 9) Natural selection acts directly on -----
- a) alleles b) Genes c) Phenotype d) Mutation
- 10) Genetic Drift operates only in -----
- a) larger population b) Mendelian population
c) Smaller population d) Island population