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SUBJECT CODE NO: - Y-2192
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (PATTERN-2013) (T.Y SEM VI)
Examination April / May - 2024
Zoology Paper- XIX (Evolution)

[Time:1:30 Hours]

[Max. Marks:50]

Please check whether you have got the right question paper.

N. B

- 1) Attempt all questions
- 2) Illustrate your answers with Suitable diagrams.

Q.1 Describe in detail the Chemical evolution of life? **20**

OR

Explain Natural Selection theory and artificial selection theory.

Q.2 What is Macroevolution? Describe it's salient features & mechanism with suitable Examples? **20**

OR

Write short notes on any four of the following

- a) Catastrophism
- b) Isolation theory
- c) Types of fossil's
- d) Genetic drift
- e) Parapatric speciation
- f) Vestigial Organ



Q.3 Select & write Correct answers from the given alternatives in Each sub question **10**

1. The force that initiates evolution is _____
 - a) Variation
 - b) Mutation
 - c) Extinction
 - d) Adaptation
2. The Origin of Species was written by _____
 - a) Lamarck
 - b) Bear
 - c) Charles Darwin
 - d) None of these
3. Most evident Source of evolutions comes from _____
 - a) Analogy
 - b) Physiology
 - c) Embryology
 - d) Paleontology

4. The most accepted theory of Evolution is _____
- a) Phase theory b) Mutation theory
c) Synthetic theory d) Natural Selection theory
5. Which of the following is an Example of homologous Organ
- a) Wing of bird b) Forelimbs of Man
c) Eye of Man d) Eye of Octopus
6. Evolution of Horse is an Example of _____
- a) Microevolution b) Macroevolutions.
c) Speciation d) None of these
7. Genetic drift is an account of _____
- a) Variation b) Increase in population
c) Mutation d) Abrupt decrease in Population
8. The theory of use & disuse was given by _____
- a) Stebbins b) Lamarck
c) Aristotle d) Vavilov
9. Mega Evolution is _____
- a) Change in the gene pool
b) Evolution due to mutation
c) Origin of a new biological group
d) Evolution that takes Centuries
10. Mutation may be described as _____
- a) Continuous genetic variation
b) Phenotypic change
c) Discontinuous genetic Variation
d) Change due to Hybridization