



21101637

QP CODE: 21101637

Reg No :

Name :

B.Sc DEGREE (CBCS) SPECIAL SUPPLEMENTARY EXAMINATION, JULY 2021

Fifth Semester

CORE COURSE - ZY5CRT07 - EVOLUTION, ETHOLOGY & ZOOGEOGRAPHY

Common for B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology, B.Sc Biological Techniques and Specimen Preparation Model III & B.Sc Zoology and Industrial Microbiology Model III Double Main

2018 Admission Only

AFE911F8

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Name the scientists who provided proof to support Oparin Haldane theory of origin of life.
2. Who proposed the theory of recapitulation?
3. What are fossils?
4. What is somatoplasm?
5. Define species.
6. What is post zygotic isolation?
7. Which is the largest ever mass extinction in the history of earth?
8. Define ethology.
9. What is imitation?
10. What is formic aria?
11. What is Isolated animal distribution?
12. Define endemism.

(10×1=10)

Part B





*Answer any **six** questions.
Each question carries **5** marks.*

13. Explain the theory of endosymbiosis with example.
14. Analyse the major criticisms of Lamarckism.
15. What is genetic drift? Add notes on Bottle neck effect and founder effect.
16. Write notes on true speciation.
17. Write notes on microevolution and megaevolution with examples.
18. What are signalling pheromones? Comment on its behavioral responses.
19. Write a short account on sociobiology.
20. Comment on the biological barriers in animal distribution.
21. Write notes on the geographic limits, and physical features of Oriental realm.

(6×5=30)

Part C

*Answer any **two** questions.
Each question carries **10** marks.*

22. Elaborate on Neo - Darwinian concept and its criticisms.
23. Write an essay on evolution of horses.
24. Explain sociobiology with various social behavioural patterns in animals.
25. Write an essay on the geographic limits, physical features and faunal distribution of Australian realm.

(2×10=20)

