

B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2019**SEMESTER –5: ZOOLOGY (CORE COURSE)****COURSE: 15U5CRZOO07: EVOLUTION, ZOOGEOGRAPHY AND ETHOLOGY***(Common for Regular 2017 admission & Improvement 2016/Supplementary 2016/2015 admission)*

Time: Three Hours

Max. Marks: 60

Instructions:

- Time allotted for the examination is 3 Hours
- Answer **all** questions in part A. Answer **any 6** questions from part B, **any 4** from part C and **any 2** from part D.

PART A

1. Special Creation Theory
2. Pangenesis
3. Genetic Drift
4. Explain Discontinuous distribution with an example
5. Two examples of continental islands
6. Mention the Golden age of reptiles
7. Name the Pleistocene horse
8. Imprinting

(1 x 8 = 8)

PART B

9. Write notes on coacervation and coacervates
10. Explain microevolution
11. What is radiocarbon dating
12. Write notes on Use and Disuse theory
13. What are the features of Miohippus?
14. Differentiate between transition and transversion
15. Comment on punctuated equilibrium
16. Differentiate between phyletic speciation and true speciation

(2 x 6 = 12)

PART C

17. Briefly explain the Hardy-Weinberg equilibrium and factors affecting gene frequencies
18. Describe Urey - Miller experiment
19. Briefly explain supplementary theories of Darwin
20. Write notes on Human Pheromones
21. Briefly explain Oriental realm
22. Comment on any four learning behavior

(4 x 4 = 16)

PART D

23. Describe in detail Darwin's theory of Natural Selection and Modern synthetic theory
24. Write an essay on adaptive radiation with special reference to mammals.
25. Write in detail about Kinds and Means of Animal Distribution
26. Write an essay on Biogeography of India with special reference to Western Ghats (12 x 2 = 24)