



Date: 11-04-2019
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART-A

Answer All the questions

(10x2=20Marks)

1. State the theory of abiogenesis.
2. What is the HMS Beagle?
3. What is Mullerian mimicry?
4. Comment on Lamarckism.
5. Define parallel evolution.
6. Comment on isolating mechanisms.
7. What is neoteny?
8. Comment on the age of mammals.
9. Write about eugenics.
10. What are homologous organs?

PART – B

Answer any FOUR questions:

(4x10=40Marks)

11. Describe Urey-Miller experiment with a suitable diagram.
12. Explain Lamarckian principles.
13. Describe the modern synthetic theory of natural selection.
14. Give an account on adaptive radiation in reptiles.
15. Explain the types of fossils and their significance.
16. Give an account on Human Genome Project.

PART – C

Answer any TWO questions:

(2x20=40Marks)

17. Describe Darwin's theory of Natural selection.
18. What is speciation? Explain different modes of speciation.
19. Trace evidences from embryology in favour of theory of organic evolution.
20. Write an account on the followings:
(i) Evolution and ethics (ii) Eugenics

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