

Model Question Paper
Zoology-Theories of Evolution-Part II

12th Standard

Biology

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 01:30:00 Hrs

Total Marks : 45

5 x 1 = 5

Part-A

- 1) Modern horses are called as
(a) Hyracotherium (b) Eohippus (c) Equus (d) Equanus
- 2) Lamarck theory is popularly known as
(a) Law of use and disuse (b) Theory of inheritance of acquired characters (c) Law of growth (d) theory of needed character
- 3) To prove Neo-Lamarckism, F.B. Sumner worked on
(a) rat (b) mice (c) rabbit (d) butterfly
- 4) The Scientist who proposed the idea similar to Darwin natural selection at the same is
(a) Lindsay (b) Smith (c) Wallace (d) Kammerer
- 5) This is considered on par with Newton's law of gravitation and Einstein's theory of relativity
(a) Lamarckism (b) Germ plasm theory (c) Neo - Lamarckism (d) Theory of natural selection

Part-B

5 x 3 = 15

- 6) What is meant by "survival of the fittest"?
- 7) Mention any two objections to Darwinism.
- 8) Mention the significance of neo-Darwinism.
- 9) State the modern synthetic theory.
- 10) What is meant by "gene pool"?

Part-C

3 x 5 = 15

- 11) List out the objections made to Darwinism and write any two supporters of Neo-Darwinians name. Supporters of Neo-Darwinism: T.H Huxley, Asa Gray and E.Haeckel.
- 12) How did McDougall prove "Learning is an acquired character".
- 13) Write note on Gene mutation

Part-D

1X10=10

- 14) a) Explain chromosomal Aberrations.
- b) Describe the Polymorphism.
