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C – 1393

Reg. No. : .....

Name : .....

Sixth Semester B.Sc. Degree Examination, April 2017
First Degree Programme under CBCSS
Core Course – XI
ZO 1643 : ECOLOGY, ETHOLOGY, EVOLUTION AND ZOOGEOGRAPHY
(For 2013 and 2014 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions (1 mark **each**) :

1) National Parks
2) Ecotone
3) WWF
4) Mortality
5) Darwinism
6) Ramapithecus
7) Genetic drift
8) Bipolar distribution
9) Imprinting
10) Continental islands.

(10×1=10 Marks)

II. Answer **any eight** questions (2 marks **each**) :

11) 'S' shaped curves
12) Shelford's Law of tolerance
13) Age distribution
14) Dominance
15) Red data book
16) Bioremediation

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17) Latent learning

18) Pheromones

19) Weisman's germplasm theory

20) Paleontology

21) Speciation

22) Cladogenesis.

(8×2=16 Mar

III. Answer **any six** questions (**4** marks **each**) :

23) Give an account on the effect of pesticides on aquatic systems.

24) What are the causes of species extinction ?

25) Comment on the hormonal mechanism in behaviour.

26) Comment on the biogeography of Ethiopian region.

27) Explain the significance of fossils in evolution.

28) Prepare a tabular format showing the geological time scale.

29) Point out the criticisms to Lamarck's theory.

30) Explain the abiotic factors of ecosystem.

31) Enlist the properties of a population with suitable description. (6×4= 24 Mar

IV. Answer **any two** of the following :

32) What are the types of learning ? Explain each with suitable examples.

33) Give an account on the human intervention on ecosystem with reference to the adverse effects.

34) Explain the stages involved in the evolutionary process to modern man.

35) Make an essay on the role of biotechnology in conservation strategy.

(2×15=30 Mark

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