

D 70368

(Pages : 2)

Name \_\_\_\_\_

Reg. No. \_\_\_\_\_

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

Zoology

ZOL 5B 06—ENVIRONMENTAL BIOLOGY, WILDLIFE CONSERVATION AND TOXICOLOGY

Time : Three Hours

Maximum : 80 Marks

A. Answer *all* questions. Each carries 1 mark :

- 1 What is CITES ?
- 2 What is diversity index ?
- 3 What is an endemic species ?
- 4 What is alpha diversity ?
- 5 What is botulism ?
- 6 What is a xenobiotic ?
- 7 State Combined Concept of Limiting Factors.
- 8 What is sedimentary cycle ? Mention an example.
- 9 What is ecotone ?
- 10 What is synecology ?

(10 × 1 = 10 marks)

B. Answer any *ten* questions in two or three sentences each. Each carries 2 marks :

- 11 What is Pharmacy Act ?
- 12 Write briefly on the public health hazards of automobile emission.
- 13 What is acute toxicity ? How is it commonly expressed ?
- 14 Write a note on Project Tiger.
- 15 Comment on hot spots of biodiversity.
- 16 What are the major strategies of UNEP ?
- 17 What do you know about Red Data Book ?
- 18 Explain the principle and applications of remote sensing in ecological studies.
- 19 Write on chemosynthetic energy production.

Turn over

- 20 Explain the concept of sustainable development.
- 21 Explain species stratification.
- 22 Write on the ecological impacts of tourism.

(10 × 2 = 20 marks)

C. Answer any five questions in not more than a paragraph each. Each carries 6 marks.

- 23 Explain ecological energetics with reference to the laws of thermodynamics.
- 24 What is a gaseous cycle? Explain carbon cycle.
- 25 What is a limiting factor? Explain the basic concepts of limiting factors.
- 26 What is ecological succession? Explain the patterns of succession.
- 27 Comment on human interferences on different habitats and their consequences.
- 28 Explain various legal measures implemented in India for conservation of biodiversity.
- 29 Explain different symbiotic associations.
- 30 Elaborate on the various threats to biodiversity.

(5 × 6 = 30 marks)

D. Write essays on any two of the following. Each carries 10 marks :

- 31 Write on the various methods of sampling of animal populations.
- 32 Explain different kinds of negative population interactions.
- 33 Explain the various properties of population.
- 34 What is a Protected Area? Write on various Protected Areas in Kerala you have studied.

(2 × 10 = 20 marks)