



K22U 0445

Reg. No. :

Name :

**VI Semester B.Sc. Degree (CBCSS – OBE – Regular) Examination, April 2022
(2019 Admission)
CORE COURSE IN ZOOLOGY
6B11ZLG : Environmental Science**

Time : 3 Hours

Total Marks : 40

- I. Essay questions. (Each question carries 8 marks) Answer any two :
- 1) Write an essay on various inter specific associations.
 - 2) Comment on the process of ecological succession.
 - 3) Write an essay on the causes, effects and remedial measures of radioactive and pesticide pollution.
 - 4) Briefly explain the physical features and fauna of various zoogeographical realms. (2×8=16)
- II. Short essay questions. (Each question carries 4 marks) Answer any two :
- 5) Comment on cyclones and their mitigation methods.
 - 6) Briefly describe population growth forms.
 - 7) Give an account on the values of biodiversity. (2×4=8)
- III. Short answer questions. (Each question carries 2 marks) Answer any six :
- 8) Comment on ecological pyramids.
 - 9) What are the causes of extinction of species ?
 - 10) Comment on the Wildlife Protection Act (1972).
 - 11) What are ecological indicators ?
 - 12) Give an account on Wetland reclamation.
 - 13) Define Leibig's law of minimum.
 - 14) Comment on RFLP.
 - 15) Differentiate between species diversity and genetic diversity. (6×2=12)

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IV. Multiple choice questions. (Each question carries 0.5 marks) Answer all :

- 16) Which among the following is a denitrifying bacteria ?

a) Nitrosomonas	b) Pseudomonas
c) Thiobacillus	d) Nitrobacter
- 17) Which among the following is a tropical grassland ?

a) Tundra	b) Savannah
c) Prairies	d) Steppes
- 18) Ozone umbrella is seen in

a) Stratosphere	b) Mesosphere
c) Thermosphere	d) Troposphere
- 19) 'Project Tiger' was started in the year

a) 1970	b) 1973
c) 1976	d) 1979
- 20) The Lion tailed macaque can be cited as an example of _____ species.

a) Extinct	b) Endangered
c) Rare	d) Vulnerable
- 21) Pioneer community in xerarch succession include

a) Phytoplanktons	b) Zooplanktons
c) Lichens	d) Herbs
- 22) Which among the following is correct about Gross Primary Productivity (GPP), Net Primary Productivity (NPP) and Respiration (R) ?

a) $NPP = GPP + R$	b) $GPP = NPP - R$
c) $GPP = NPP + R$	d) $NPP = R - GPP$
- 23) 'Ten percent law' was forwarded by

a) Eugene P Odum	b) Lindemann
c) Charles Elton	d) Shelford

(8×0.5=4)

P.T.O.