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**SUBJECT CODE NO:- 6058**  
**FACULTY OF SCIENCE AND TECHNOLOGY**

**M.Sc. (Sem-I)**

**Examination March/April-2022 (To Be Held In June/July-2022)**

**Zoology (Old)**

**Ecology-402**

[Time: 3:45 Hours]

[Max.Marks:80]

Please check whether you have got the right question paper.

N.B

- i) Part 'A' is compulsory
- ii) Attempt any five questions from part 'B'.
- iii) Draw neat labelled diagram wherever necessary.

**Part-A**

Q.1 Attempt the following multiple choice questions. 20

- 1) Which of the following is a non renewable resources.
  - a) Water
  - b) Forest
  - c) Wildlife
  - d) Forest fuels
- 2) Temperature, light, Air, water soil and climate are all \_\_\_\_\_ parts.
  - a) Biotic
  - b) Abiotic
  - c) Living
  - d) Boreal
- 3) Food, water shelter and a space in which to live all describes an organism.
  - a) Biome
  - b) Eco provinces
  - c) Community
  - d) species
- 4) Ecologist would consider all the following to be natural disturbances except.
  - a) drought
  - b) flood
  - c) deforestation
  - d) fires
- 5) Biotic succession is caused by
  - a) Prammoscre
  - b) Xeroxes
  - c) Holoscre
  - d) Hydrocerc
- 6) Biotic succession is caused by
  - a) Competition
  - b) Discuses
  - c) Grazing
  - d) Environmental changes
- 7) In a food chain the organism most affected by bio accumulation are
  - a) Top consumer
  - b) Producer
  - c) Phytoplankton
  - d) Parasites
- 8) An example of biotic factor in a pond ecosystem is.
  - a) Temperature
  - b) Water
  - c) Fish
  - d) Sunlight

- 9) An example of producer is
- a) Fungus
  - b) Caterpillar
  - c) Bird
  - d) Moss
- 10) An crab lives on a beach where it gets food shelter and space to live the beach is the crabs
- a) Niche
  - b) Community
  - c) Habitat
  - d) Home

### Part-B

- Q.2 Describe Biodiversity hot spots in India. 12
- Q.3 Discuss global environmental change. 12
- Q.4 Describe National parks and Sanctuaries. 12
- Q.5 Explain in Detail energy pyramids. 12
- Q.6 Write a note on Terrestrial ecosystem. 12
- Q.7 Write a note on community succession with example. 12
- Q.8 What is parasitism? Describe the types of parasitism. 12