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SUBJECT CODE NO: - SS-6693
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Zoology) (Sem-I)
Examination May / June - 2023
Ecology : Principles and Practices ZOO-103

[Time: 03:00 Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

N. B

- 1) All question carry equal marks.
- 2) Draw well labelled diagram.
- 3) PART – A is compulsory.
- 4) Attempt any Five question from PART 'B'

PART – A**Q.1** Attempt the following multiple choice questions**20**

- i) The capacity of plant to complete H's life cycle is called :
 a) Periodicity b) Floristic c) vitality d) none
- ii) Group of people coexist within space and time and interact with each other is known as -
 a) Guild b) Population c) Community d) None of these
- iii) Primary consumer are –
 a) Herbivorous b) Green plants c) Carnivorous d) All of these
- iv) Which of the following requires maximum energy?
 a) Secondary consumer b) Decomposer
 c) primary consumer d) primary producer
- v) Which in the first process in ecological succession?
 a) Migration b) Ecesis c) Aggregation d) Nudation
- vi) Symbiosis shown by –
 a) E. coli b) Monotropa c) Cuscuta d) Rafflesia
- vii) High density of elephant population in an area can result in –
 a) Mutualism b) Intraspecific competition
 c) Interspecific competition d) None
- viii) The number of individual of species in a unit area is called –
 a) Abundance b) Density c) Frequency d) None
- ix) The factor contributes to the carbon cycle –
 a) Fossil fuel combustion b) respiration
 c) Photosynthesis d) all of the above

- x) Trophic levels in a food chain are formed by
a) Producers b) Decomposers c) Consumer d) All of these

PART - B

- Q.2** Define biomass ? describe energy flow in the ecosystem. **12**
- Q.3** Describe Levin's model of meta population in details. **12**
- Q.4** Explain International Initiatives for wetland conservation. **12**
- Q.5** Define Biogeography. Describe bio-geographical zones of India. **12**
- Q.6** Describe natural and man made sources of radio active pollution. **12**
- Q.7** Give an account on EIA- tools and techniques. **12**
- Q.8** Write notes on (any two) **12**
A) Carbon credit
B) Wild life protection Act 1972
C) Ecological indicators