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SUBJECT CODE NO:- B-2069
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. T.Y (Sem-V)
Examination November/December-2022
Zoology Paper- XV
(Ecology)

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

- N.B
1. Attempt all questions
 2. Illustrate your answer with suitable labelled diagram
- Q.1 Describe effect of temperature on animals and add a note on thermal adaption? 20
- OR
- Define population. Explain in details of population Growth & Regulation
- Q.2 Define Ecosystem. Describe in details forest Ecosystem? 20
- OR
- Write short notes on any four of the following
- 1) Mutualism
 - 2) Population Density
 - 3) Structure of community
 - 4) Ecotone
 - 5) Components of Ecosystem
 - 6) Marine Ecosystem
- Q.3 Select and write correct answer from the given alternatives in each question 10
- 1) Abiotic components of Ecosystem consists of the _____
 - a) Radiant solar energy
 - b) Water
 - c) Solid mineral water
 - d) All of the above

- 2) The carrying capacity of a populations is determined by its _____
 - a) Limitary resources
 - b) Population growth rate
 - c) Velocity
 - d) Mortality

- 3) The term ecosystem was coined by____
 - a) Griffith
 - b) Howard
 - c) Tansley
 - a) Harvey

- 4) Branch of Eco way concerned with the study of individual organism is
 - a) Biocoenosis
 - b) Autecology
 - c) Synewlogy
 - d) Paleoecology

- 5) the association in which none in harmed is____
 - a) Neutralism
 - b) Synopsis
 - c) Antagonism
 - d) All

- 6) The number of individual species is a unit area is called ____
 - a) Density
 - b) Cover
 - c) Abundance
 - d) Frequency

- 7) Study of fossil is known as _____
- a) Herpaltogy
 - b) Anatomy
 - c) Paleontology
 - d) Ornithology
- 8) Animals migrating from ocean to land have under gone _____
- a) Adoptive modification to changing salinity conditions
 - b) Adoptive modification to changing body pans
 - c) Aestivation
 - d) Tubernetion
- 9) In any food chain the largest population is that by _____
- a) Primary communities
 - b) Tertiary consumers
 - c) Producers
 - d) Decomposers
- 10) Phytol planktons of a pond Ecosystem are as _____
- a) Producer
 - b) Primary consumer
 - c) Secondary consumer
 - d) Decomposers