SUBJECT CODE NO: -Y-2036 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. (PATTERN-2013) (T.Y SEM V) Examination April / May - 2024 Zoology Paper- XV (Ecology)

| [Tim | e: 1:30 Hours] | [Max N | Aarks:50 | |
|---------------|---|---|----------|--|
| N. B | Please check whether you 1) All questions are comp | ou have got the right question paper. | 141 K3.5 | |
| ė graviai, | 2) Illustrate your answers | with suitable labelled diagram. | | |
| Q.1 | Explain in detail the concept and varia | tion of light on different Environments. | 20 | |
| | | OR CHARLES BOOK PRINCES AND | | |
| | What is Parasitism? Describe in detail | its types with Examples? | | |
| Q.2 | What is community Succession? Expla | in with example of succession and climax. | 20 | |
| | | OR | | |
| | Write short notes on any four of the | following:- | | |
| | 1. Predation 2. Ecological niche 3. food in ebb 4. Energy flow 5. Salinity & moisture 6. Forest Ecosystem | LIBRARY LIBRARY | | |
| Q.3 | Select & write correct answers from | the given alternatives in each sub question. | 10 | |
| | 1) The natural place of an organism On Community is known as | | | |
| | a. Niche | b. Biome | | |
| | c. Habitat | d. Habit | | |
| | 2) Deforestations may reduce the Chances of | | | |
| | a. Frequent landslides | b. Erosion of soil | | |
| | c. Rainfall | d. Frequent Cyclones | | |
| | 3) All are insitu conservation effort | ts except | | |
| | a. National parks | b. Sanctuaries | | |
| | c. Biosphere resumes | d. Zoo | | |
| | 4) Air, Water, Light, temperature a | nd P ^H makes up the | | |
| | a. Biotic Environment | b. Abiotic Environment | | |
| | c. Ecosystem | d. Food chain | | |
| | | | | |

| 5) | the is an important requirement of the aquatic inc | | |
|--------|--|--|--|
| | a. Dissolved nitrogen | b. Dissolved chlorine | |
| | c. Dissolved oxygen | d. Dissolved methane | |
| | c. Dissolved oxygen | A transfer of the second of th | |
| 6) | A mutually beneficial association ne | cessary for survival of been partners | |
| | is one facility | Senatt 06:1-3a | |
| | a. Mutualism | b. Commensalism | |
| | c. Parasitism | d. Both a & b | |
| | in waste bollode, alania | guiversowana mov pierthodil (5 | |
| 7) | Food chain in which micro-organism | breakdown the food formed by Primary | |
| | producer is — | | |
| | a. Parasitic food chain | b. Detritus food chain. | |
| | c. Consumers food chain | d. Predator food chain | |
| | | | |
| 8) | The sum total of populations of the same kind of Organism constitutes | | |
| | a. Colony | b. Genus | |
| | c. Community | d. Species | |
| | the accompany of the second of | | |
| 9) | the final stage of succession is Called | d as | |
| | a. Climax | b. Density | |
| | c. Dispersal | d. None of the above | |
| | 13/ 10/ | A Supplementary Company | |
| 10) Ve | ertical stratification is found in | community. | |
| | a. Aquatic | b. Forest | |
| | c. Grassland | d. All of these. | |
| | The state of the s | | |
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| | a like the control of the state | | |