

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2024

BBA/BSC-2nd Semester

COURSE CODE (CREDITS): 23B11GE411/22BS1GE211 (2)

MAX. MARKS: 25

COURSE NAME: Environmental Studies/ Environmental Science and Technology

COURSE INSTRUCTORS: Dr. Poonam/ Dr. Rishi

MAX. TIME: 1 Hour 30 Minutes

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*Note: (a) All questions are compulsory.*

*(b) Marks are indicated against each question in square brackets.*

*(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

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- Q.1 Using an ecological pyramid (Flower- grasshopper-mouse-snake), explain in detail why there is need to be a larger number of higher trophic level members for ecosystem to be stable? [3 Marks]
- Q.2 Explain geothermal energy? How is this energy used for energy generation in houses? [3 Marks]
- Q.3 Elaborate the concept of nicotine addiction and its effect on human body? [2 Marks]
- Q.4 Explain in detail the different zones in a lake ecosystem? [5 Marks]
- Q.5 What are biogeochemical cycles? Explain nitrogen cycle with the help of well labeled diagram? [7 Marks]
- Q.6 Explain the environmental impacts of ground water usage? [3 Marks]
- Q.7 Describe red data book? What do you mean by extinct, endangered, vulnerable and rare species? [2Marks]