

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN,
NUVEM-GOA**

B.Sc. CBCS SEMESTER VI End Examination, July 2021

Subject: Zoology

Paper Code & Name: ZOC 109 Environmental Biology and Toxicology

Total marks: 30 Duration: 02 hrs. Date: 12/07/2021

Total No of pages: 01

Instructions: 1. All questions are compulsory

2. Figures to the right indicate marks allotted to the question

3. Illustrate your answers wherever necessary

Q1. Answer any five of the following. (2X5= 10 marks)

- a. Differentiate between habitat and niche.
- b. Comment on Ecological scales.
- c. List out the apprehensions regarding Nuclear energy.
- d. What are the anthropogenic impacts on Water Resources?
- e. What is Ecological Natality? Give the mathematical expression.
- f. What is a 'Keystone species'? Cite any two Indian Example.
- g. What is IUCN Red Data Book? Name the 'Threatened' categories.
- h. State the effects of Arsenic Poisoning on human health. (Any four)
- i. What are the effects of oil pollution on birds?

Q2. Answer any Four of the following. (5X4 =20 Marks)

1. Discuss the effects of organochlorine pesticides on public health.
2. Summarise 'Age structure' in a population. Comment on types of 'Age Pyramids'.
3. Present a concise account of challenges in Biodiversity Conservation.
4. Give a brief account of any two toxicants in atmosphere with reference to sources and effects on public health.
5. Define a toxicant. Comment on classification of Toxicants.
6. What are 'Xenobiotics'? Write a note on absorption of Xenobiotics.