

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

SEMESTER END EXAMINATION AUGUST 2020

**Semester: VI Course name & Code: ZOC-109 Environmental Biology and
Toxicology**

Total Marks: 30 Date: Duration: 2hrs. 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. Attempt any FIVE of the following questions. 10

- a. Describe Ecological scales.
- b. Comment on : Sex ratio as a characteristic of population dynamic
- c. What are the uses of thorium and uranium as raw materials in Nuclear energy production?
- d. Classify pollutants.
- e. Write a concise note on ‘Artificial sweetening agents’.
- f. What are the beneficial aspects of radiation.
- g. What is a ‘Flagship species’? Cite an Indian example.
- h. List out the IUCN Conservation categories.

QII. Answer any FOUR of the following questions. 20

- i. What is Biotic potential? Explain in relation to environmental resistance?
- ii. Explain the atomic bomb explosion at Hiroshima and Nagasaki.
- iii. Give a brief account of disciplines and importance of toxicology.
- iv. Explain a ‘resource cycle’ with illustration.
- v. Present a concise account of challenges in biodiversity conservation.
- vi. Summarize the ‘Extinct Indian species’.