

311206

May 2024

**BCAR/BCA (DATA SCIENCE) II SEMESTER
Environment Science-I (VAC-101-N1)**

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) Why there is a need for public awareness about Environmental issues? Discuss Indian scenario. (1.5)
- (b) What are the ecological and commercial uses of forests? (1.5)
- (c) Differentiate primary and secondary air pollutants? Give examples. (1.5)
- (d) What are the harmful effects of ozone hole formation? (1.5)
- (e) Write about hot spots of biodiversity. Name some in Indian context. (1.5)

- (f) Write salient features of Nagoya Protocol. (1.5)
- (g) What is the relation between Population growth and Natural Resource exploitation? (1.5)
- (h) Define endemic species. Give some examples. (1.5)
- (i) Write a short note on Industrial Revolution and its impact on environment. (1.5)
- (j) Name some Ramsar sites and their importance. (1.5)

PART-B

2. (a) Give a brief account of Renewable and Non-renewable energy resources. Discuss different types and their feasibility. (8)
- (b) Write a short note on Sustainable Development Goals (SDGs). Explain about the targets, indicators, challenges and strategies for SDGs. (7)
3. (a) Define Environmental Pollution. What are different types of pollution? Explain negative impacts of air and water pollution on environment. (8)
- (b) Write a brief note on Climate Change and Global warming. (7)
4. (a) Define biodiversity. What are different methods of conservation of biodiversity? Explain with examples. (8)
- (b) Explain in details about CITES and UNCCD. (7)
5. (a) Write an account of Environmental Ethics and emergence of Environmentalism. Explain about anthropocentric and eco-centric perspectives. (8)

- (b) Write salient features of UN Conference on Human Development, 1972. (7)

6. Explain in detail about Biotic Resources—Forests, Grassland, wetlands and wildlife along with their status and challenges. (15)
7. Write short note on the following :
 - (a) Ecosystem Services.
 - (b) Acid Rain.
 - (c) Thermal Pollution. (15)