

311205

May-2025

BCA-II SEMESTER

Environment Science-I

(VAX-101-V)/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

- (a) What is Environmental Ethics? Name different perspectives of Environmental ethics. (1.5)
- (b) Define natural resource. Give *one* example. (1.5)
- (c) How did mastery on fire contributed in survival and evolution of human beings? (1.5)
- (d) Give *three* examples of non-conventional energy resources. (1.5)
- (e) What is thermal pollution? Give its causes. (1.5)
- (f) How is smog formed? (1.5)

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- (g) What are invasive species? Give an example. (1.5)
 - (h) Name any *three* Ramsar Sites. (1.5)
 - (i) What are Biodiversity hotspots? (1.5)
 - (j) What do you understand by transboundary air pollution? (1.5)

PART-B

- 2. (a) "Industrial pollution led to human development but deterioration of the environment". Justify. (7.5)
- (b) Explain the journey of man from nomadic life to settled life. (7.5)
- 3. (a) Discuss the limitations of renewable and non-renewable resources. (5)
- (b) Discuss any *four* alternative sources of energy in detail. (10)
- 4. Define sustainable development. Describe the different SDG's, challenges and strategies to meet them. (15)
- 5. Write short notes on any *three* :
 - (a) Role of modern agricultural practices in soil degradation.
 - (b) Consequences of over-exploitation of mineral resources.
 - (c) Microbes as resource.
 - (d) Causes of deforestation. (15)

- 6. (a) What are causes of climate change? Discuss the different preventive measures that can be taken in this regard. (10)
 - (b) Define desertification. What are its impacts on environment? (5)
 - 7. Write short notes on any *three* :
 - (a) Wetlands.
 - (b) Coastal Regulation Zone.
 - (c) Ramsar Convention.
 - (d) Nagoya Protocol. (15)
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