COPYRIGHT RESERVED Voc(Sem-II) — BCA/ Biotech (AECC - 2)

Environmental science

2022

Time: 3 hours

Full Marks: 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from all the Parts as directed.

Part – A (Objective Type Questions)

- 1. [A] Choose the correct answer of the following:

 1×5 = 5
 - (a) Eutrophication in lakes is due to the presence of:
 - (i) Nitrogen
 - (ii) Phosphorus
 - (iii) Oxygen
 - (iv) Both (i) and (ii)

Which two gases are associated with acid rain? SO2 and NO2 (ii) NO2 and O2 (iii) CO2 and SO2 (iv) CO₂ and NO₂ Major functional components of any (c) ecosystem is: Nutrient cycling (ii) Energy flow (iii) Both (i) and (ii) (iv) None of these (d) Which of the following is non-renewable source of energy? (i) Wind energy (ii) Solar energy (iii) Tidal energy (iv) Natural gas Sustainable Development is the main objective of: **Rio Summit** (i) (ii) **Kyoto Protocol**

- Cid
- (iffi) Earth Summit 198 (spipolog) (b)
 - (iv) Both (i) and (iii)
- 1. [B] Fill in the blanks: 1×5 = 5

(e) Smod

- (a) The first tropic level in an ecosystem is Producers www.pno.
- (b) Nuclear energy is renewable source of energy.
- (c) The most important reason for biodiversity loss is natifal loss & fragmentation
- (d) The cause of 'Blue Baby Syndrome' is water contaminated with _______
- (e) The water sharing dispute between Karnataka and Andhra Pradesh is over waters of river Karshan

Part - B

(Short-answer Type Questions)

- Write short notes on any four of the following in 2 not more than 200 words each: $5 \times 4 = 20$
- (a) Concept of Sustainable Development
 - (b) Estuarine ecosystem
- (c) Montreal Protocol

- (d) Ecological services of biodiversity (iii) both (i) and (vi) (e) Smog (f) Biodiversity hot spots of India a) The first Portreevel in an ecosystem is (Long-answer Type Questions) 4. Answer any four questions of the following: $10 \times 4 = 40$ (a) With the help of diagrams, describe succession in a desert ecosystem. (b) Suggest measures to minimise noise pollution on Ashok Rajpath, Patna. (c) Define Air Pollution. What are the major effects of air pollution? (d) What do you mean by soil erosion? How can it be prevented? (e) Define endangered species. Give examples of some endangered plants and animal species. (f) Describe the salient features of National Enviromental Policy.
 - VIII GOVERNMENT