

- N.B.** (1) **All** questions are **compulsory**.
(2) **Figures** to the **right** indicate **full** marks.
(3) Draw near **diagrams** wherever **necessary**.

1. (a) Answer any **one** of the following :— **10**
(i) What do you understand by density dependent and independent population, discuss with examples.
(ii) Discuss – Competition and predation to limit population growth.
- (b) Answer any **one** of the following :— **5**
(i) Carrying capacity
(ii) Water and Waste Management.
2. (a) Answer any **one** of the following :— **10**
(i) Explain in brief about energy conservation and renewable energy ?
(ii) What is an ocean thermal energy and add note on advantages and disadvantages of it ?
- (b) Answer any **one** of the following :— **5**
(i) Gas turbines
(ii) Efficiency building
3. (a) Answer any **one** of the following :— **10**
(i) Explain the goals of environmental audit ?
(ii) Justify whether public participation is helpful in environmental and development decision making ?
- (b) Answer any **one** of the following :— **5**
(i) Conflict Management
(ii) Jaitapur issue.
4. (a) Answer any **one** of the following :— **10**
(i) Discuss the role of UN for enforcing International treaties and decisions.
(ii) Cost-benefit analysis includes environmental and social impact assessment into the benefit-cost calculation. Explain with reference to Bhopal Gas Tragedy.
- (b) Answer any **one** of the following :— **5**
(i) Vision of the world 2040
(ii) Vietnam orange 'O' in war.
5. Answer any **three** of the following :— **15**
(i) Catchment areas and associated problems
(ii) Trading of Toxic waste
(iii) Tidal energy
(iv) Generation and Storing electricity
(v) Solar pond
(vi) Risk associated with Nuclear proliferation.
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