

**2021**

**ENVIRONMENTAL SCIENCE — HONOURS**

**Paper : V**

**Group : B**

**Full Marks : 50**

*The figures in the margin indicate full marks.*

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

**1. Answer *any ten* questions :**

1×10

- (a) Name one major anthropogenic disaster in India.
- (b) What is Agenda 21?
- (c) Name two hazardous wastes.
- (d) Define thermoplastics.
- (e) What do you mean by incineration?
- (f) What is biocompost?
- (g) In which year YAP-1 was launched?
- (h) Write full form of UNFCCC.
- (i) Name two components of e-wastes.
- (j) What is biofencing?
- (k) Name two global environmental problems.
- (l) What is EMP?
- (m) Write full form of CRT.
- (n) Name two NTFPs.
- (o) Write the full form of WEEE.
- (p) What do you mean by biosafety protocol?

**2. Answer *any ten* questions :**

2×10

- (a) Mention the hazards associated with incineration.
- (b) State the role of FPCs in Joint Forest Management.
- (c) Mention the precautions to be taken for green belt development.
- (d) What do you mean by EMS audit?

**Please Turn Over**

- (e) Why is source segregation necessary for biomedical waste management?
- (f) Mention the characteristic features of hazardous waste.
- (g) What do you mean by secondary recycling of plastic?
- (h) State the importance of shredding in waste management.
- (i) What is Business Charter for sustainable development?
- (j) What are the basic activities of NCEPC?
- (k) Why first flush device is used in rainwater harvesting?
- (l) What is encapsulation of hazardous waste?
- (m) State two characteristics of MSW.
- (n) Why monitoring is an important tool of environmental management?
- (o) Mention the activities planned in GAP.
- (p) Distinguish between hazards and disaster.

3. Answer **any four** questions :

- (a) What are the criteria used for certification of ISO? State the significance of ISO – 14000 series. 3+2
  - (b) Mention any five principles of sustainable development according to Rio declaration. 5
  - (c) Describe two categories of biomedical waste along with their treatment options. What is biohazard symbol? 4+1
  - (d) Chalk out a schematic disaster management plan. 5
  - (e) Describe different types of wastelands. State two wasteland reclamation processes. 3+2
  - (f) What is rain water harvesting potential? Justify the utilisation of rainwater harvesting in groundwater recharge. 2+3
  - (g) Write short notes on :
    - (i) 3R in waste management
    - (ii) Sanitary landfill. 2½+2½
  - (h) Describe Demings cycle with proper illustration. Why forecasting is important in management process? 3+2
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