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May, 2019

**B.Tech. IV SEMESTER**  
**Environmental Sciences (MC-03)**

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.



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**PART-A**

1. (a) What are the causes of climate change? (1.5)
- (b) What are the objectives of Vienna convention? (1.5)
- (c) What environmental provisions are given in Article 48A and 51 A(g). (1.5)
- (d) What are the objectives of Water Cess Act, 1977? (1.5)
- (e) Enlist environmental provisions given in Major Act, 1988. (1.5)



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(f) Give different colour codes of disposal bags/containers to be used for biomedical waste disposal. (1.5)

(g) What are different types of plastics as given in Plastic

Management Rules, 2016.

(h) Define Hazardous waste. (1.5)

(i) What is the importance of Environmental Management System? (1.5)

(j) What is National Green Tribunal ? (1.5)

### PART-B

2. (a) Give an account of Swachh Bharat Abhiyan. (7.5)

(b) Explain various methods suggested for Ganga Cleaning in Ganga Action Plan. (7.5)

3. Give salient features of Environment (Protection) Act, 1986.

4. Give an account of Air (Prevention and Control of Pollution) Act, 1981.

5. (a) Give various Ash management methods as given in Ash Utilization rules.

(b) Give salient features of Solid Waste Management and Handling Rules, 2016. (10)

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# Shorts

Explain the following :

- (a) Ecomark Scheme. (7.5)
- (b) Indian mission Standards. (7.5)

What is ISO 14000 ? Give its salient features.

(15)



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