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RAN-2103000206020173**T.Y.B.Sc. (Env. Sci.) (Sem. 6) Examination September - 2023****Environmental Science XIX - Green Chemistry****603 - Green Chemistry****Time: 2 Hours]****[Total Marks: 50****सूचना : / Instructions**

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नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Env. Sci.) (Sem. 6)

Name of the Subject :

Environmental Science XIX - Green Chemistry 603 -
Green Chemistry

Subject Code No.: 2103000206020173

Seat No.:

Student's Signature

- (2) Question-1 is compulsory.
(3) Figures to the right indicate full marks.
(4) Draw neat and labelled diagrams wherever necessary.

Q-1: Give Specific Answers**(12)**

1. What do you mean by Atom economy?
2. What do you mean by Teflon Bomb in MORE reactions?
3. When and who developed the Twelve Principles of Green Chemistry?
4. What does FAJRP stands for in waste management?
5. Name any two solvents and their alternate green solvents.
6. What do you mean by vermiculture?

Q-2: Comment on /Justify ANY TWO of the following:**(12)**

1. Supercritical water can be used in organic synthesis and organic waste management - Justify.
2. Comment on - Preparation of suitable forms of hazardous waste for final disposal.
3. Comment on - Vivid techniques are used in MORE chemistry.

Q-3: Attempt ANY TWO of the following: (16)

1. Discuss in detail about types of vessels used for MORE reactions.
2. Enlist and explain the principles of green chemistry.
3. Describe the techniques used for immobilization of hazardous waste.

Q-4: Write Short Note on ANY TWO of the following: (10)

1. Green score and green chemical products.
 2. Tools of green chemistry.
 3. Sources and types of waste.
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