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

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T. Y. B. Sc. (Sem. - VI)

Name of the Subject :

Green Chemistry : Paper - 603 Environmental Science - XIX

Subject Code No.: 2103000206020173

Seat No.:

Student's Signature

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

Q. 1: Give Specific Answers: (ANY SIX) (12)

1. Why green chemistry is also known as sustainable chemistry?
2. Give the formula for calculating percentage yield in atom economy.
3. Name any four types of waste.
4. Give two examples of commonly used PTC.
5. Define immobilization and stabilization of waste?
6. Which material is used for making reaction vessel of microwave?

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

1. Principles of green chemistry were given by Warner and Anastas - Justify.
2. Comment on - Fe-TAML is the greatest contribution by Cohen's in green chemistry.
3. Various methods are available for treatment of waste before disposal - Justify.

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

1. Discuss the eco-friendly oxidation with the help of various catalyst.
2. Explain the management and disposal of radioactive waste.
3. Discuss the various applications of MORE chemistry.

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

1. Synthesis of ibuprofen.
 2. Microwave oven as reactor.
 3. Metathesis.
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