

U.G. 4th Semester Examination - 2020

ENVIRONMENTAL SCIENCE

[GENERIC ELECTIVE]

Course Code : ENVS-H-GE-P-04

(Green Chemistry, Green Technology and Applications)

[PRACTICAL]

Full Marks : 20

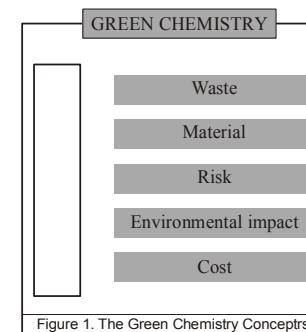
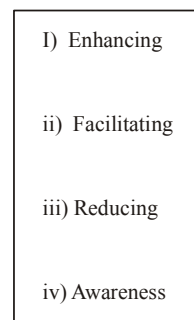
Time : 2 Hours

The figures in the right-hand margin indicate marks.

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

1. Answer any **two** of the following: $10 \times 2 = 20$

- a) Among the four words (i, ii, iii and iv) choose the proper option that fits appropriately on the left side of the Figure-1. Justify your choice with reference to each section in the light of green chemistry concepts. 10



- b) Give an overview of the eco-friendly waste management policy adopted in an industry with an Indian case study. Sketch out the scheme of different green processes with reference to energy conservation practices in any reputed Indian industry. 5+5=10
- c) What is organic farming? How does it differ from conventional farming based on food quality and safety. Discuss the scenario of organic farming in India with a short note on organic certification. 2+3+5=10
- d) What are biofertilizers? Write the advantages of using biofertilizers in relevance to green technology and green economy. Write a short note on vermicomposting. 2+3+5=10

[Turn over]