

M.Sc. - II (Environmental Science) (CBCS Pattern) Semester-IV
PSCENVT16-B Foundation Course Paper-XVI : Green Technologies

P. Pages : 1

Time : Three Hours



GUG/S/25/11384

Max. Marks :80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagram and examples.

1. Discuss wind turbines and solar panels as green technologies. **16**

OR

- a) Explain the terms green infrastructure and green economy. **8**
- b) Describe the community level participation for biodegradable waste management. **8**

2. Discuss concept of green cities, waste reduction and recycling in cities. **16**

OR

- a) Give role of governmental bodies in green planning. **8**
- b) Explain importance of eco-mark in India. **8**

3. Discuss carbon capture and storage technologies for green house gas reduction. **16**

OR

- a) Describe compact fluorescent lights as green technologies. **8**
- b) Explain methane emission reduction and reuse technologies. **8**

4. Explain principles and recognition of green criteria in environmental science. **16**

OR

- a) Describe bio-accumulative products in the environment **8**
- b) Explain green nanotechnology. **8**

5. a) Explain 3Rs of green technology. **4x4 =16**

- b) Write the need of green building over conventional buildings.
- c) Describe energy efficient fume hoods.
- d) Write about photodegradable plastic bags.
