

M.Sc. (Part - II) (Environmental Science) (CBCS Pattern) Fourth Semester CBCS
PSCENVT16.2-Paper-XVI PSCENVT16 (Foundation Course-2)
Green Technologies

P. Pages : 1

Time : Three Hours



GUG/W/18/11384

Max. Marks : 80

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

1. Discuss the role of individual and community level participation for small scale composting pit for biodegradable waste. **16**
- OR**
- a) Explain the concept of green technology. **8**
- b) Describe the concept of sustainable consumption of resources. **8**
2. What are green buildings? Discuss the history and need of green building. **16**
- OR**
- a) Explain the role of Governmental bodies in green planning. **8**
- b) Describe the concept of green cities. **8**
3. Discuss how energy efficiency is done by using compact fluorescent lights and energy efficient fume hoods. **16**
- OR**
- a) Explain the carbon capture and storage technology for reduction of green house gas emissions. **8**
- b) Describe flue Gas Desulfurization method. **8**
4. Discuss principles and recognition of green criteria in Environmental science. **16**
- OR**
- a) Write about green nanotechnology. **8**
- b) Explain photodegradable plastic bags. **8**
5. a) Explain the 3 R's of green technology. **4**
- b) Discuss how waste reduction in green cities is carried out. **4**
- c) Write about low volatile organic compound paints. **4**
- d) Explain biodegradable and bio-accumulative products in environment. **4**
