

M.Sc. - II (Environmental Science) (CBCS Pattern) Semester-III
**PSCENVT12-A - (Foundation Course) Paper-XII : Fundamentals of
Environmental Science**

P. Pages : 1

Time : Three Hours



GUG/W/24/11267

Max. Marks : 80

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

1. Discuss structure of the earth. Explain composition of crust, mantle and core of the earth. **16**
- OR**
- a) Explain theoretical and applied aspects of Environmental Science. **8**
- b) Describe Big Bang theory in detail. **8**
2. Discuss composition of the atmosphere. Add a note on evolution of Earth 's atmosphere. **16**
- OR**
- a) Explain atmosphere ocean interface. **8**
- b) Describe earthquakes as earth system process. **8**
3. Explain mechanism of formation and depletion of ozone. **16**
- OR**
- a) Describe impacts of green house gases on health and agriculture. **8**
- b) Discuss effects of climate change on freshwater ecosystem and forest. **8**
4. Explain concept and principles of sustainable development. **16**
- OR**
- a) Discuss Bishnoi tradition and Chipko movement. **8**
- b) Explain issues and solutions of environmental ethics. **8**
5. a) Explain special features of the earth. **4x4**
b) Write about continental drift. **=16**
c) Describe effects of ozone depletion on man.
d) Explain Agenda-21.
