

M.Sc. (Part-II) (Environmental Science) (CBCS Pattern) Third Semester
**PSCENVT12-1 / PSCENVT12 - Foundation Course – Fundamentals of
Environmental Science Paper-XII**

P. Pages : 1

Time : Three Hours



GUG/W/18/11267

Max. Marks : 80

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

1. Discuss the structure of the earth with neat sketch. Add a note on formation of the earth. **16**
- OR**
- a) Explain the theoretical and applied aspects of Environmental Science. **8**
- b) Discuss Big Bang theory. **8**
2. Discuss evolution of earth's atmosphere. Add a note on composition of atmosphere. **16**
- OR**
- a) Describe physical and optical properties of the atmosphere. **8**
- b) Explain fluvial and glacial processes briefly. **8**
3. Discuss global warming potential of greenhouse gases. Write about greenhouse effect and climate change. **16**
- OR**
- a) Explain the local and global scenario of CO₂ emission. **8**
- b) Discuss formation and depletion of ozone layer. **8**
4. Explain the concept and principle of sustainable development. Describe sustainable development goals briefly. **16**
- OR**
- a) Write about Agenda-21 and the 2030 Agenda for sustainable development. **8**
- b) Discuss the Chipko and Apiko movements. **8**
5. a) Describe special features of the earth. **4**
- b) Write about gravitational field of the earth. **4**
- c) Discuss the effects of ozone depletion on man. **4**
- d) Write a short note on the world summit on sustainable development. **4**
