

**B. PHARM.  
SECOND SEMESTER  
ENVIRONMENTAL SCIENCES  
BP206T**

Duration : 2 hrs.

Full Marks : 50

*[Part -A is common for all the students; Part B is for Section A students and Part -C is for Section B students; to be answered in separate answer scripts]*

**( PART-A )**

*Answer the following long questions (Any two)*

**10×2=20**

1. Discuss structure and functions of an ecosystem. **10**
2. What are the causes and consequences of air pollution? **5+5=10**
3. What is deforestation? What are the causes and impacts of deforestation? **1+4+5=10**
4. Write short notes on (*Any one*) **5×1=5**
  - a. Primary pollutants and Secondary pollutants
  - b. Point sources and non-point sources of pollution

**( PART-B )**

*Answer the following long questions (Any five)*

**5×5=25**

1. Write an explanatory note of aquatic ecosystems.
2. Explain the different zonation in aquatic ecosystems.
3. What are differences between metallic and non-metallic mineral resources.
4. What do you mean by resources? Explain the different types of resources.

5. What is a mineral? Explain the different types of mineral resources.
6. What are the characteristics of a marine ecosystem?

**( PART-C )**

*Answer the following long questions (Any two)*

*10×2=20*

1. Define ecosystem. Brief the structure of an ecosystem. Also write the principle of energy flow in an ecosystem. *1+5+4  
=10*
2. Define soil pollution. Write the major sources of soil pollutants and mention the effect of soil pollution. *2+4+4  
=10*
3. Distinguish between fresh and marine water. Write the characteristics of fresh water. *4+6=10*
4. Write short notes on *2.5×2  
=5*
  - a. Desert ecosystem
  - b. Brackish water

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