

Roll No. 

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 &amp; Onwards) (Sem.-2)

**ENVIRONMENTAL SCIENCE**

Subject Code : EVSC-101

M.Code : 72463

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****1. Answer briefly :**

- a) Define Environment, Pollution and System.
- b) Differentiate between renewable and non-renewable resources giving examples of each.
- c) Define Ecosystem. What are its components?
- d) List five endangered and endemic species of India.
- e) List the control measures that could be adopted for different types of air pollutants.
- f) Explain the effects of Noise Pollution.
- g) What is a natural disaster? List two disaster management measures.
- h) What is meant by sustainable development?
- i) *"Diminishing means and increasing wants are the two root causes of all environmental problems"*. Comment on the statement.
- j) Define Value Education.

**SECTION-B**

2. Discuss the environmental effects of Nuclear accidents and holocaust.
3. Discuss various environmental consequences of the agricultural activities in Punjab.
4. Discuss the energy balance and Earth's albedo with respect to atmospheric changes.
5. Discuss the energy flow through ecosystem.
6. Consider the vehicular exhaust as a source of air pollution and explain the mechanism of photochemical smog formation.

**SECTION-C**

7. List two environmental problems from typical rural and urban set up in India. Explain why each is a problem, and describe how more than one system (for example, air, water, land etc.) is affected in each case. Also, bring out a conceptual interactive framework of the systems.
8. Write notes on :
  - a) Urban water conservation strategies
  - b) Solid waste management
9. List various environmental laws which India has enacted. Discuss the salient provisions and issues associated with its enforcement.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**