

Roll Number

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SCHOOL OF CHEMICAL AND LIFE SCIENCES
B.Sc. (Hons with Research)/ B.Sc. (Hons) as per FYUP
Semester I (2023)
Paper Code: BBC/BBT/BBO/BCH/BTX/BCR VAC 101
Paper Title: ENVIRONMENTAL SCIENCE

Time: 1.5 hours

Maximum Marks: 30

Write the Roll No. at the top immediately on receipt of this Question Paper. Attempt all Questions. All parts of the Question must be attempted in continuation. Start Answering each question on new page.

SECTION A

Briefly answer ANY EIGHT of the following

[8x1=8 marks]

1. Give **ONE** example each of renewable and non-renewable resources.
2. Which pyramid is always upright?
3. Mention any **ONE** example of *in-situ* and *ex-situ* methods of conservation.
4. Define heavy metal citing an example.
5. When is the World Environment Day celebrated annually?
6. Give **ONE** example each of a primary and secondary air pollutant.
7. Name the personality who founded and led the Chipko Andolan.
8. What causes acid rain?
9. Differentiate between BOD and COD.
10. Define biomagnification.

SECTION B

Answer ANY FOUR of the following

[4x3=12 marks]

1. List the major causes and consequences of deforestation.
2. What are the biotic and abiotic components of an ecosystem?
3. Discuss various sources of marine pollution. How can you prevent pollution of oceans?
4. Briefly write about the Bhopal Gas Tragedy and Chernobyl nuclear disaster.
5. What are the major threats to biodiversity?
6. What are the different methods to propagate environmental awareness in the society?

SECTION C

Answer ANY TWO of the following

[2x5=10 marks]

1. Define environmental pollution and describe the different types of pollution.
2. What are biogeochemical cycles? Explain nitrogen cycle with the help of a neat labelled diagram.
3. Define population growth and discuss the factors affecting population growth.
4. Describe climate change, global warming, and ozone layer depletion.