

Programme	B. Pharmacy
Semester	2 <sup>nd</sup>
Subject	Environmental Sciences
Subject Code	BP206T
Paper ID	74972
Time	2 Hours
Maximum Marks	50

**Instructions to Candidates:** No supplementary/continuation sheet will be issued to the candidates. Answer the questions precisely.

\*Section A consists of Three questions carrying 10 marks each (Long Answer); attempt any **TWO**.

\*\* Section B consists of Seven questions carrying 5 marks each (Short Answer); attempt any **SIX**.

**Section A**

**(2 X 10 = 20)**

1.	Discuss the major uses of forests. Justify that ecological uses of forests surpass commercial uses.
2.	Discuss in detail the fresh water and marine water ecosystems with suitable examples.
3.	What are the main causes of water pollution? How can water pollution be controlled?

**Section B**

**(6 X 5 = 30)**

4.	Discuss the need of public awareness about environmental problems.
5.	What is Overgrazing? How does it contribute to environmental degradation?
6.	What are the effects of deforestation?
7.	What are decomposers? Explain their role in ecosystem?
8.	What are solar cells and enumerate its application?
9.	Mention the causes of (i) Smog (ii) Acid rain.
10.	What is water pollution? Briefly explain its types.

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**Note:** Disclosure of identity by writing mobile number or making request for passing on any page of answer-sheet will lead to UMC against the candidate.

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Poll Number **23 JUN 2023** (Total Number of Questions 10) (Total number of Printed Pages 01)

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**Section- A**

**(2X10=20)**

1.	Discuss the scope, importance and multidisciplinary nature of environmental studies.
2.	What is water pollution? Explain the causes, effects and control measures of water pollution.
3.	Explain biotic components and abiotic components of the ecosystem with examples.

**Section- B**

**(6X5=30)**

4.	What is the importance of forest resources in ecological balance?
5.	What are the effects of global warming?
6.	Explain the environmental problems due to over utilization of natural resources.
7.	What are the aquatic ecosystem and the terrestrial ecosystem? Give examples.
8.	Why is it a cause for concern when there are pieces of plastic products and polythene bags in the soil?
9.	Difference between renewable and non-renewable resources with examples.
10.	What is the importance of the ecosystem?

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14/6/24

(Morning)

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**Section- A****(2 X 10 = 20)**

1.	Discuss the classification of natural resources and problems associated with natural resources.
2.	What are the consequences of water pollution on human health?
3.	What is meant by "biodiversity"? Explain the three levels of biodiversity and point out the major threats of biodiversity depletion.

**Section- B****(6 X 5 = 30)**

4.	What is pollution? Name four important causes of pollution.
5.	What is green house effect? Which gas is mainly responsible for global warming?
6.	Give examples for the natural ecosystems and man-made or artificial ecosystems.
7.	Outline the causes of industrial pollution and the measures to be taken to control it.
8.	Write a note on the biotic and abiotic components of an ecosystem explaining the functions of each with examples.
9.	How environmental studies is multidisciplinary in nature, elaborate it.
10.	What are the harmful effects of ozone layer depletion?

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24 06 25

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**Section- A (2X 10=20)**

1.	Consider automobile air pollution as a major urban issue. Identify the different pollutants and discuss their effects. Suggest suitable control measures.
2.	Explain the role of greenhouse gases in global warming and climate change. Discuss the international efforts to curb climate change threats.
3.	“Industrialization, though it increased productivity, led to environmental degradation.” List the major environmental problems associated with modern industrial practices.

**Section- B (6X 5=30)**

4.	Differentiate between renewable and non-renewable resources, giving two examples of each.
5.	Write the scope and importance of environmental studies.
6.	Discuss the energy flow through a desert ecosystem. Provide neat diagrams.
7.	What is overgrazing? How does it contribute to environmental degradation?
8.	What is a forest ecosystem? Explain its importance.
9.	Discuss the effects of modern agricultural methods.
10.	List any four causes of deforestation.

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