

**School of Chemical & Life Sciences
Jamia Hamdard, New Delhi-110062**

**B.Sc. (HONS WITH RESEARCH)
I SEMESTER EXAMINATION DECEMBER 2025**

Paper Codes: BBO/BBT/BBC/BTX/BCH/BCR/BMN-VAC101

Paper Title: **Environmental Sciences**

Time: 1½ hours

Maximum Marks: 30

Note: This paper has 3 sections A, B, and C.

Section A: Answer all the questions. **Section B:** Attempt any 4 out of 5.

Section C: Attempt any 2 out of 3.

Abbreviations used:

CO-Course Outcomes

CLO 1: identify the concepts related to the environmental global scenario (remember);

CLO 2: comprehend the natural resources and environmental organizations (understand);

CLO 3: apply the acquired knowledge to sensitize individuals and public about the environmental crisis (apply);

CLO 4: analyze the causes and changes in the structure of biodiversity (analyze); and

CLO 5: enhance their skills in the society by solving the environmental problems and preserving nature by the acquired knowledge (evaluate).

BTL-Bloom's Taxonomy Levels

1- Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating

SECTION A

Very Short Type Question (08 questions)

8 x 1 = 8 marks

Q.No.	Questions	Marks	CO	BTL
1	What is green marketing?	1	1	1
2	When is "World ozone day" celebrated?	1	1	1
3	What is desertification?	1	2	1
4	Name two renewable sources of energy.	1	2	1
5	Who started the Chipko movement?	1	3	1
6	What is Red Data Book?	1	4	1
7	What is endemism?	1	4	1
8	List two major causes of water pollution.	1	5	1

SECTION B

Short Type Question. (Attempt any four out of five)

4 x 3 = 12 marks

Q.No.	Question	Marks	CO	BTL
1	How do different disciplines contribute to the environmental studies?	3	1	3
2	What are the major causes and consequences of deforestation?	3	2,3	3

3	What are the various alternative sources of renewable energy?	3	2	3
4	What is meant by <i>in situ</i> and <i>ex situ</i> conservation of biodiversity?	3	4	4
5	What are greenhouse gases and greenhouse effect? Discuss the potential and contribution of these to global warming and climate change phenomenon.	3	5	4

SECTION C

Long type Question (Attempt any two out of three)

2 x 5 = 10 marks

Q.No.	Question	Marks	CO	BTL
1	Being a responsible citizen, what type of actions do you take in your daily life that will help conserve our environment?	5	1,3	4,5
2	Discuss the models of energy flow in an ecosystem.	5	2	4,5
3	Briefly describe the sources, effects and control of air pollution?	5	5	4

END OF QUESTION PAPER