

**SAVITRIBAI PHULE PUNE UNIVERSITY**  
**Progressive Education Society's**  
**Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 (Autonomous)**  
**B.Sc. Blended Program**  
(A degree of Savitribai Phule Pune University equivalent to the degree of University of Melbourne)

**End Semester Examination: Nov.-Dec. 2023**

<b>Program: B.Sc. Blended</b>	<b>Semester: III</b>	<b>SET: B</b>
<b>Program (Specific): B. Sc. Blended (Chemistry)</b>	<b>Course Type: Core Course Theory</b>	
<b>Class: S. Y. B. Sc. Blended</b>	<b>Max. Marks: 25</b>	
<b>Name of the Course: Environmental studies I</b>		
<b>Course Code: EVSB 312</b>	<b>Time: 2 hrs</b>	
<b>Credit: 2</b>		

**Note:**

- 1) All questions as compulsory
- 2) Figures to the right corner indicate full marks
- 3) Use of scientific calculators is allowed
- 4) Draw diagrams wherever necessary.
- 5) Use only Black or blue ink/ball/gel pens for writing.

**Q.1] Select the correct option. (Any 5 out of 6) [1M x 5 = 5M]**

Write the entire statement in the answer sheet with the correct option.

1. The life supporting zone of earth is.....
  - a) Atmosphere
  - b) Biosphere
  - c) Stratosphere
  - d) Hydrosphere
2. How many biogeographic zones India have?
  - a) 10
  - b) 15
  - c) 7
  - d) 9
3. .... is a non-renewable resource.
  - a) Crude oil
  - b) Uranium
  - c) Silica
  - d) Hot spring
4. ....occurs when the death of the last individual in a species occurs.
  - a) Extinction
  - b) Adaptation
  - c) Phylogenetic diversity
  - d) Speciation

5. Among these which species are NOT in the IUCN classification of threatened species?

- a) Harmful
- b) Extinct
- c) Endanger
- d) Vulnerable

6. The most important reason for decrease in biodiversity is.....

- a) Habitat pollution
- b) Introduction of exotic species
- c) Habitat destruction
- d) Over exploitation

**Q.2] Answer in brief. (Any 5 out of 6)**

**[2M x 5 =10 M]**

1. What are the effects of dam construction?
2. Define environmental studies.
3. Comment on overgrazing.
4. What are alternate energy resources?
5. What is ecological succession?
6. Differentiate between food chain and food web.

**Q. 3] Answer in detail. (Any 2 out of 3)**

**[5M x 2= 10 M]**

1. Define ecosystem. What is the importance of ecosystem?
2. Explain the importance and threats to land resources.
3. Explain in brief various services given by biodiversity.

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