

PGDESD-01

Post Graduate Diploma in Environment and
Sustainable Development

Examination June, 2015

Understanding the Environment

Time : Three Hours]

[Max. Marks : 100

Note: The Question paper is divided into three sections A, B and C. Write Answers as per given instructions.

Section-A

(Very Short Answer Questions)

Note: Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks. 10×2=20

1.
 - (i) Define environment.
 - (ii) What are metamorphic rocks?
 - (iii) What is soil profile?
 - (iv) Define homeostasis.
 - (v) What is benthic zone?
 - (vi) Mention the pyramid of energy.
 - (vii) What is demography?
 - (viii) Define pioneer species.
 - (ix) Mention the types of environmental degradation.
 - (x) Explain urban waste.

(1)

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Section-B

(Short Answer Questions)

Note: Answer any 4 questions. Each answer should not exceed 200 words. Each question carries 10 marks.
4×10=40

2. Define chemical weathering.
3. Make a note on cohesive property and surface tension of water.
4. Discuss the Mesozoic era.
5. Discuss the role of evolution in shaping biomes.
6. Discuss the inputs and outputs of an ecosystem.
7. List the factors that affects the maintenance of oxygen cycle in nature.
8. Differentiate the bioaccumulation and biomagnification.
9. Describe in detail the industrial revolution.

Section-C

(Long Answer Questions)

Note: Answer any two questions. You have to delimit your answer maximum upto 500 words. Each question carries 20 marks.
2×20=40

10. How can you improve the productivity of soil?
11. Discuss the ecological similarities between the freshwater and marine organism.
12. Present a detailed account on productivity of ecosystem.
13. Identify and analyze the major causes of air, water and land pollution in India. Outline the initiatives being taken at various levels to mitigate these.