



PB-003-001633

Seat No. _____

B. Sc. (Sem. VI) (CBCS) Examination

March / April - 2020

Environmental Science : MB - 603

(Old Course)

Faculty Code : 003

Subject Code : 001633

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70]

Instructions : (1) All questions are compulsory.
(2) Right side figures indicate marks of the question.
(3) Draw the figure wherever necessary.
(4) Write answers of all the questions in main answer sheet.

SECTION - I

1 Answer briefly : 20

- (1) Define: Renewable Energy resources.
- (2) Define: Land resource.
- (3) Define: Humus.
- (4) What are the steps to obtain minerals ?
- (5) Give examples of Biogeochemical cycle.
- (6) Define: Food web.
- (7) Define: Ecosystem.
- (8) Why Pyramid of energy is upright only ?
- (9) Give full form: MAB.
- (10) Define: In-situ biodiversity conservation.

- (11) Define: Biodiversity.
- (12) Define: Protected Areas.
- (13) What is Smog ?
- (14) Name the gases responsible for Ozone depletion.
- (15) Define: Pyrolysis.
- (16) Define: Eutrophication.
- (17) Give list of gases responsible for green house effect.
- (18) Name any two pollutants that can undergo Biomagnification ?
- (19) Define: Environmental impact assessment.
- (20) Name the gases responsible for acid rain.

SECTION - II

2	(a) Answer in short : (3 out of 6)	6
	(1) What are Non-renewable resources? Explain with examples.	
	(2) What is Pioneer community ?	
	(3) What do you mean by Saprophytes ?	
	(4) What is Biosphere reserve ?	
	(5) What is Photochemical Smog ?	
	(6) Write about Global warming.	
(b) Answer specifically : (3 out of 6)	9	
	(1) Describe the advantages of Dam Formation.	
	(2) Energy flow in Ecosystem.	
	(3) What is the importance of genetic diversity ?	
	(4) What is Thermal pollution ?	
	(5) Write: Wildlife Protection Act.	
	(6) Define: Biotic factors and their interaction.	

(c) Write short notes on : (2 out of 5) 10

- (1) Energy resources.
- (2) Ecological succession.
- (3) India as Mega Diversity nation.
- (4) Marine Pollution.
- (5) Write a note on Green house effect.

3 (a) Answer in short : (3 out of 6) 6

- (1) How design of home can help to save energy resource ?
- (2) What is wildlife Sanctuary ?
- (3) Define: Species diversity.
- (4) What is Noise Pollution ?
- (5) What is Soil infertility ?
- (6) What are Parasites ?

(b) Answer specifically : (3 out of 6) 9

- (1) How water can use to generate energy ?
- (2) Explain Biotic factors of ecosystem.
- (3) What are biological Hotspots ?
- (4) Give two examples of conserved species which were threatened. And explain how its conservation carried out.
- (5) Explain Nuclear hazards.
- (6) Role of Decomposers in ecosystem.

(c) Write short notes on : (2 out of 5) 10

- (1) How wind can use to generate energy ? Explain its role as the type of natural resource.
- (2) Enlist various Functions of ecosystem.
- (3) Explain in detail Ex- situ conservation.
- (4) What is Eutrophication ? How to control it ?
- (5) Write a note: Chernobyl disaster.