



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

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| 2 | <p>(a) Answer in short : (3 out of 6)</p> <ol style="list-style-type: none"> (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. | 6 |
| | <p>(b) Answer specifically : (3 out of 6)</p> <ol style="list-style-type: none"> (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. | 9 |

- (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.