



**JC-003-001633**

Seat No. \_\_\_\_\_

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

**August - 2019**

**Microbiology : MB-603**

*(Environmental Science) (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 total marks of questions.  
(3) Draw diagram if necessary.

**1 Answer the following : 20**

- (1) Define: Renewable sources.
- (2) What is solid waste management?
- (3) What is global warming?
- (4) Define: Non- renewable sources
- (5) What is hydroelectric power?
- (6) Define: Mineral resources.
- (7) Define: Topography.
- (8) List out the biodiversity hot spot located in India?
- (9) Give full form of FAO.
- (10) What are recalcitrant compounds?
- (11) Define: Ore
- (12) Which day is world ozone day?
- (13) Define: Abiotic factor
- (14) Write full form of EIA.
- (15) Define: Energy
- (16) What is deforestation?
- (17) What are carnivores?
- (18) What are decomposers?
- (19) Define: Ecological succession.
- (20) What is pollution?

- 2** (a) Answer specifically : (any **three**) **6**
- (1) Write a brief note on biotic factor with examples.
  - (2) Define: Protected area
  - (3) What do you mean by endemic species?
  - (4) Write a note on energy flow in ecosystem.
  - (5) Discuss the reasons for degradation of ecosystem.
  - (6) What do you mean by Sustainable Development?
- (b) Answer specifically : (any **three**) **9**
- (1) Write a note on energy pyramids.
  - (2) Write in brief on Ecological Succession.
  - (3) Write a note on weather and climate.
  - (4) Write on Oil related disasters.
  - (5) How to utilize existing resources?
  - (6) Write on food web.
- (c) Write short notes : (any **two**) **10**
- (1) Discuss : Major causes of species loss in 21<sup>st</sup> century.
  - (2) Problems associated with hydroelectric power.
  - (3) Write an essay on Soil erosion.
  - (4) Write an essay on endangered animals and birds.
  - (5) Describe : Producers, Consumers & Decomposers.
- 3** (a) Answer specifically : (any **three**) **6**
- (1) Write in brief on nuclear holocaust.
  - (2) What is the difference between London Smog & Los Angeles Smog?
  - (3) What do you mean by Green field projects?
  - (4) What is ecosystem Diversity?
  - (5) What are the reasons for Noise pollution?
  - (6) What is Acid rain?

(b) Answer specifically : (any **three**) **9**

- (1) Write in brief: Measures to control air pollution.
- (2) Characteristics of hazardous wastes.
- (3) Write a note on nuclear hazards.
- (4) Discuss the penalties imposed under The Air (Prevention and Control of Pollution) Act, 1981.
- (5) What are the reasons for deforestation?
- (6) What is an in situ conservation technique?

(c) Write short notes : (any **two**) **10**

- (1) Write a note on Wildlife Protection Act, 1972.
- (2) Discuss: Carbon Cycle.
- (3) Which are the various causes of water pollution?
- (4) Write a note on role of an individual for environment protection?
- (5) Write a note on IPAS (Integrated Protected Area System).

---