



MAO-003-001633

Seat No. _____

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

March / April - 2018

MB-603 : Microbiology

(Environmental Science)

(New Course)

Faculty Code : 003

Subject Code : 001633

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

[Total Marks : 70

- Instructions :** (1) All questions are **compulsory**.
(2) Figures on right side indicate marks.

1 Answer the following : **20**

- (1) Define photovoltaic energy.
- (2) What are the major uses of chromium ?
- (3) Define mining process.
- (4) Name the countries which are major world reserves of copper.
- (5) Define soil erosion.
- (6) What are Detrivores ?
- (7) Define first law of Thermodynamics.
- (8) What is Nudation ?
- (9) Define "Dams".
- (10) What is Hydrarch ?
- (11) Define Species Diversity.
- (12) What is Biosphere Reserve ?
- (13) What are social value ?
- (14) Define Alpha (α) richness.
- (15) Degradable pollutants.
- (16) Give full form of NIPTS.
- (17) Define climate change.
- (18) Give full form of EIA.
- (19) Define marine pollution.
- (20) How amount of ozone in atmosphere is detected ?

2 (a) Answer specifically : (any **three**) **6**

- (1) Define Biodiversity.
- (2) Define Drought.
- (3) What are Radiations ?
- (4) What do you mean by Nuclear hazards ?
- (5) Define food web.

- (b) Answer specifically : (any **three**) **9**
- (1) Write note on renewable natural resources.
 - (2) Reason responsible for deforestation.
 - (3) "Various steps of Mining".
 - (4) Write a note on threats to biodiversity.
 - (5) What are natural eutrophications ?
 - (6) Write on causes of marine pollutions.
- (c) Write short note on : (any **two**) **10**
- (1) Methods for solid waste disposals.
 - (2) Difference between natural and artificial Eutrophications.
 - (3) Ecological succession and its type.
 - (4) Write on Nitrogen cycle in detail.
 - (5) Role of individual in pollution protection.
- 3** (a) Answer specifically : (any **three**) **6**
- (1) Define – Food Resources.
 - (2) What are Non-renewable resources ?
 - (3) Define Mineral Resources.
 - (4) Define ecological pyramids.
 - (5) What are secondary air pollutants ?
 - (6) Define Global Warming.
- (b) Answer specifically : (any **three**) **9**
- (1) Write on Wildlife Protection Act.
 - (2) Write effective control of noise pollution.
 - (3) What is Forest Conservation Act ?
 - (4) List out different stages of mining.
 - (5) Write on thermal pollution.
 - (6) Write differences between deforestation and afforestation.
- (c) Write short notes on : (any **two**) **10**
- (1) Various causes and control of air pollutions.
 - (2) India as a mega diversity nation.
 - (3) Energy flow in the ecosystem.
 - (4) Biodiversity conservation strategies.
 - (5) Nuclear pollution and its hazards.