

Seat No. : _____

MU-111

March-2019

B.Sc., Sem.-IV

CC-204 : Environmental Science (Environmental Recourses and Conservation)

Time : 2:30 Hours]

[Max. Marks : 70

1. (A) Describe GM crops with examples and discuss related environmental issues. 14

OR

(1) Write a note on Threats to Biodiversity. 7

(2) Explain brief account of Endangered flora and fauna of India. 7

(B) Answer any **four** in brief. 4

(1) List two causes of deforestation

(2) Name three live resources derived from sea.

(3) What is species diversity ?

(4) Define Pouching.

(5) Name two National Parks in Gujarat.

(6) What is Red Data Book ?

2. (A) Write detailed note on Mineral resources derived from sea and its uses. 14

OR

(1) Write a note on common types of mining sites. 7

(2) Explain principle of Microbial leaching and Microbial-enhanced recovery of minerals. 7

(B) Answer any **four** in brief 4

(1) Which mineral is derived from site 'Bombay High' ?

(2) Name two methods of practicing mining.

(3) What is Highwall mining ?

(4) Give depletion trend of natural resources.

(5) Name two issues related to mining process.

(6) Name two types of accidents possible at mining site.

3. (A) Explain principles of harvesting Solar and Hydroelectric energy. **14**

OR

(1) Write a note on renewable energy resources. **7**

(2) Describe impact of energy over exploitation. **7**

(B) Answer any **three** in brief. **3**

(1) What is energy crisis ?

(2) How hydrogen can be better fuel ?

(3) Name two non-renewable resources.

(4) Write constituents of Biogas.

(5) Explain Law of Conservation of energy.

4. (A) Explain water resources and water cycle on Earth. **14**

OR

(1) Write a note on rain water harvesting system. **7**

(2) Discuss the benefits and problems of large dams. **7**

(B) Answer in short any **three**. **3**

(1) What is environmental significance of water ?

(2) List two points for conservation of water.

(3) Name two major dams in Gujarat.

(4) What is per capita demand of water in Gujarat ?

(5) What is Sindhu Water Treaty ?
