

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 ?

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