

GANPAT UNIVERSITY

B. TECH SEM-I (CIVIL, EE, MC, ME) REGULAR EXAMINATION - NOV-DEC 2015

2CI103: Environmental Studies and Disaster Management

TOTAL MARKS: 60

TIME: 3 HRS

Instructions: (1) This Question paper has two sections. Attempt each section in separate answer book.
(2) Figures on right indicate marks.
(3) Be precise and to the point in answering the descriptive questions.

SECTION: I

- Q.1 A. Write a short note on Desert ecosystem (05)
- B. What do you mean by Food Chain and Food web? Explain Grazing food chain in detail. (05)
- OR
- Q.1 A. Write a short note on Pond ecosystem (05)
- B. Explain in detail the Pyramids of Biomass and Pyramid of Energy (05)
- Q.2 A. Write a short note on Hydrological cycle with sketch. (05)
- B. Write a short note on Non-Renewable Sources of Energy. (05)
- OR
- Q.2 A. Write a short note on Nitrogen Cycle with sketch. (05)
- B. Explain the advantages and disadvantage of Renewable sources of Energy. (05)
- Q.3 A. Give the classification showing the components of ecosystem. (05)
- B. Write a short note on impacts of technology on environment. (05)

SECTION: II

- Q.4 Attempt the following (10)
- A. Explain major sources of Noise Pollution.
- B. How acid rain occurs? Write the effects of acid rain on human and environment.
- OR
- Q.4 Attempt the following (10)
- A. Enumerate with examples major sources of surface and ground water pollution.
- B. What are the general health effects of air pollution?
- Q.5 Write a short note on Bhopal Gas Tragedy and Meuse Valley Disaster. (10)
- OR
- Q.5 Write a short note on Itai-Itai and Minamata Disaster (10)
- Q.6 A. Fill in the blanks: (05)
- 1. Name the calamity where there is a deficiency in water
(a) Drought (b) Flood (c) War (d) Tornado
- 2. Which gas was leaked in Bhopal Gas Tragedy?
(a) CFC (b) MIC (c) CO₂ (d) CO
- 3. The type of movement where tectonic plates pull away from each other
(a) Convergent (b) Divergent (c) Transform (d) Rupture
- 4. Lithosphere consist of
(a) Water (b) Air (c) Rock (d) All of the above
- 5. Which one is primary air pollutant
(a) Smoke (b) PAN (c) CO₂ (d) CO
- B. Explain in detail Plate Tectonics Theory in Earthquake. (03)
- C. What is meant by Disaster? Explain the organizing relief measures at national and local level. (02)

-----END OF PAPER-----