

GANPAT UNIVERSITY

REGULAR EXAMINATION- April - June 2015

B. TECH SEM- 2ND Semester (CE/IT/EC/ME-INT/CIVIL-INT/MARINE)

2CI- 103: Environmental Studies and Disaster Management

MAX. TIME: 3 HRS

MAX. MARKS: 60

- 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) Explain the working of Nitrogen cycle with neat sketch. (6)
 (B) Discuss the relationship between different components of environment. (4)
- OR**
- Q.1 (A) What is ecological pyramid? State its types and discuss pyramid of energy showing energy flow with neat sketch. (6)
 (B) Write a short note on "Environmental Degradation" (4)
- Q.2 (A) Define the terms: (4)
 (i) Carnivores (ii) Heterotrophs (iii) Ecosystem (iv) Autotrophs
 (B) Draw the Oxygen cycle and explain its working. (6)
- OR**
- Q.2 (A) Define the terms: (4)
 (i) Ecology (ii) Food web (iii) Trophic levels (iv) Predator
 (B) Write a short note on "Forest Ecosystem" (6)
- Q.3 (A) Write a short note on "Hydropower energy" and "Geothermal Energy". (6)
 (B) Discuss the advantages and limitations of non-renewable resources. (4)

SECTION: II

- Q.4 (A) Write short note on "Exxon Valdez Disaster" and "Great London Smog-London disaster" (6)
 (B) Discuss the sources of Noise Pollution (4)
- OR**
- Q.4 (A) Discuss the structure of atmosphere with neat sketch. (6)
 (B) Define the terms: (4)
 (i) Global Warming (ii) Acid Rain (iii) Water Pollution (iv) Wet Deposition
- Q.5 (A) Define the terms: (6)
 (i) Earthquake (ii) Epidemics (iii) Insect Infestations (iv) Drought (v) Volcanoes
 (vi) Natural Disaster
 (B) Discuss river floods, coastal floods, urban floods and flash floods (4)
- OR**
- Q.5 (A) Write a short note on (10)
 (i) Riots (ii) Demonstrations (iii) Bomb blast
- Q.6 (A) Discuss Pre disaster and Post disaster management. (5)
 (B) Describe impact of disasters on National and International Trade. (5)

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