

GANPAT UNIVERSITY
REGULAR EXAMINATION– NOV-DEC-2014
B. TECH SEM- 1st Semester (ME/MC/EE/CIVIL)
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)** Define the terms: (3)
 (i) Hydrosphere (ii) Biosphere (7)
(B) Write a short note on:
 (i) Hydro power energy (ii) Wind Energy

OR

- Q.1 (A)** Define the terms: (3)
 (i) Sustainable Development (ii) Non-renewable resources (7)
(B) Explain the impact of technology and development on environment.

- Q.2 (A)** Define the terms: (4)
 (i) Producers (ii) Heterotrophs (iii) Ecology (iv) Consumers (6)
(B) Describe hydrological cycle in detail with a neat sketch.

OR

- Q.2 (A)** Define the terms: (3)
 (i) Food web (ii) Reducers (iii) Carnivores (7)
(B) Explain Grazing food chain and Detritus food chain with neat sketches.

- Q.3 (A)** What are the advantages and disadvantages of conventional energy sources? (5)
(B) Write a short note on "Grassland Ecosystem". (5)

SECTION: II

- Q.4 (A)** Define the terms: (2)
 (i) Wet deposition (ii) Dry deposition (4)
(B) Explain the eutrophication process. (4)
(C) Explain acid rain chemistry. (4)

OR

- Q.4 (A)** What are the human health effects of Photochemical Smog and Ground level ozone? (4)
(B) Describe in detail the sources of noise pollution (6)

- Q.5 (A)** Define the terms: (4)
 (i) Earthquake (ii) Landslides (iii) Severe heat waves (iv) Storm (4)
(B) Describe how drought is caused. Discuss the stages of drought. (6)

OR

- Q.5 (A)** Write a short note on (10)
 (i) Terrorism (ii) Riots (iii) Stampedes

- Q.6 (A)** Describe the types of floods. (4)
(B) Discuss organizing relief measures at national and local level. (6)

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