

S.P.B

Student Exam No: _____

GANPAT UNIVERSITY

**B. TECH. SEMESTER 1ST (ME,MC,CIVIL,ELECTRICAL), REGULAR
EXAMINATION – NOV/DCE:- 2011**

CI:103 –ENVIRONMENT STUDY&DISASTER MANAGEMENT

TIME: 3 HOURS

TOTAL MARKS: 70

Instructions: - (1) Answer to the two sections must be written in separate answer books.

(2) Figures to the right indicate full marks.

(3) Assume suitable data if required.

SECTION - I

Q.1 Attempt the following:

- (A) What do you mean by “Environmental degradation”? Enumerate the suitable (06)
flow chart for environmental degradation.
- (B) What are the three impacts of Technology? Explain the demerits of the (06)
impacts.

OR

Q.1 Attempt the following:

- (A) What are the different ways of classifying ecology? Explain the term (06)
“estuarine ecosystem”.
- (B) Explain “oxygen cycle” & “sulphur cycle” with neat sketch. (06)

Q.2 Attempt the following:

- (A) Differentiate between food chain and food web. Explain the functional units (06)
of ecosystem
- (B) Write a short note on “Biogeochemical cycle” and “man and environment (05)
relationship”

OR

Q.2 Attempt the following:

- (A) Define the following: a) Biotic components. b) Sedimentary rock. (05)
c) Environment. d) Ecology.
- (B) Define the following in detail: a) Atmosphere. b) Lithosphere. (06)
c) Hydrosphere.

Q.3 Attempt the following: (12)

- (A) Define the term “eco system”, “Homeostatic environment”
- (B) List out the protective measures during an earth quake for both indoor and outdoor.
- (C) Explain classification of fires.
- (D) List out the symptoms and first aid for heat induced illness for any two conditions

SECTION - II

Q.4 Attempt the following:

- (A) Define the following: a) Global warming. b) Acid rain. c) Wet deposition. (06)
d) Water pollution. e) Noise pollution. f) Standard.
- (B) Enlist the classification of water pollutants and explain any two. (03)
- (C) List out the effects of both Acid rain and Ozone layer depletion. (03)

OR

Q.4 Attempt the following:

(12)

- (A) Describe the sources of water pollution.
- (B) Explain the process of Eutrophication.
- (C) What are the effects of air pollution?
- (D) Write down the sources of noise pollution and explain any two.
- (E) What are the control measures for noise pollution?
- (F) What are the impacts of global warming?

Q.5 Attempt the following:

- (A) **Define:** a) Natural Resources. b) Intangible Resource. c) Renewable Resources. d) Non-renewable Resources. e) Biotic and Abiotic Resources (05)
- (B) Enlist the materials used in basic disaster supply kit. (02)
- (C) Explain landslide and mudslide. (02)
- (D) Note down the points for minimizing nuclear radiation. (02)

OR

Q.5 Attempt the following:

- (A) Define: a) Earthquake and aftershock. b) Tsunami. c) Heat wave and sandstorm (03)
- (B) Explain the terrorism and riots. (02)
- (C) Explain conservation and exhaustion of natural resources. (02)
- (D) Explain energy scenario in India. (02)
- (E) Explain the necessity of medical care facilities in an industry/ Project site. (02)

Q.6 Attempt the following multiple questions (12)

- (A) Which of the following is a non renewable resource?
(a) Coal (b) Forest (c) Water (d) wildlife
- (B) The pollution free energy resources is,
(a) Coal (b) Nuclear power (c) Petroleum (d) Solar energy
- (C) Conventional energy resources are,
(a) Fossil fuels, wood, natural gas (b) tidal wave energy (c) storms and lightning (d) Nuclear energy
- (D) Hazardous waste should have characteristics such as,
(a) reactivity (b) corrosivity (c) toxicity (d) all the above
- (E) Which one is the intensity level of noise?
(a) Newton (b) Decibel (c) centimeter (d) watt
- (F) Which one is primary pollutant?
(a) Smoke (b) carbon dioxide (c) PAN (d) ozone
- (G) The word EPICENTRE is associated with
(a) Oceanography (b) Cyclone (c) Earthquake (d) Bomb-blast
- (H) Which gas was leaked in Bhopal gas calamity?
(a) MIC (b) CFC (c) Chlorine (d) CO
- (I) Which instrument used to measure earthquake
(a) Seismography (b) thermometer (c) stethoscope (d) cardiogram
- (J) Name the calamity where there is deficiency in water supply
(a) drought (b) flood (c) landslide (d) fire
- (K) Which are the following dangers not associated with the thunder storms
(a) Tornado (b) Strong winds (c) hail (d) earthquake
- (L) During which natural calamity, evacuation is not possible
(a) Flood (b) Volcanic Eruption (c) Earth quake (d) Hurricane

"END OF PAPER"