

GANPAT UNIVERSITY
B. Tech. Semester 2nd Sem (CE/IT/EC/BM)
Regular (CBCS) Examination – May/June : 2013
2CI- 103: Environmental Studies and 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 questions:**

- (A) Explain environment degradation with suitable example. (06)
 (B) Classified impacts and explain each with suitable example. (06)

OR**Q-1 Attempt the following questions:**

- (A) Write a short note on following: (06)
 a) Biosphere, b) Lithosphere, c) Hydrosphere.
 (B) Enlist objective of environment education system and explain principal of environment education system. (06)

Q-2 Attempt the following questions:

- (A) Draw and explain nitrogen cycle. (05)
 (B) Draw and explain carbon cycle. (06)

OR**Q-2 Attempt the following questions:**

- (A) Draw and explain food chain. (06)
 (B) Explain Energy flow model. (05)

Q-3 Attempt the following questions:

- (A) Write a short note on Grassland ecosystem (04)
 (B) Classified the ecosystem. (04)
 (C) Explain briefly Component of atmosphere. (04)

Section – II**Q-4 Attempt the following questions:**

- (A) Explain conservation and exhaustion of resources (06)
 (B) Write a short note on (1) Solar cells (2) Solar water heater (06)

OR**Q-4 Attempt the following questions:**

- (A) Explain environmental impacts of mineral extraction (07)

(B) Discuss the sources of noise pollution.

(05)

Q-5 Attempt the following questions:

(A) Describe in detail ozone layer depletion process.

(05)

(B) Define (1) Mitigation (2) Preparedness (3) Relief (4) Recovery

(06)

OR

Q-5 Attempt the following questions:

(A) Discuss the three ways to minimize radiation exposure.

(4)

(B) Discuss any two causes of landslides.

(3)

(C) Discuss terrorism and riots.

(4)

Q-6 Attempt the following questions:

(12)

1 Fires involving combustible metals are classified under which class?

(a) Class B (b) Class A (c) Class D (d) Class C

2 A "major nuclear accident" occurred in which country?

(a) Russia (b) Ukraine (c) Japan (d) USA

3 What do you call breakdown of elevator, gas line break, electrical failure etc.?

(a) Hazardous (b) Fire (c) Accidents (d) Utility failure

4 Earthquakes that precede the largest earthquake in a series are called?

(a) Hypocenter (b) Aftershocks (c) Seismic wave (d) Foreshocks

5 The tidal power site is located at

(a) Sunderban deltas (b) Daman (c) Kanyakumari (d) Visakhapatnam

6 The process of splitting apart nucleus of an atom is called

(a) Nuclear fusion (b) Neutron (c) Nuclear fission (d) Nuclear power

7 What do you use to extinguish fires involving cooking appliances with vegetable oils at high temperatures?

(a) Dry chemical (b) Wet potassium acetate (c) Carbon dioxide (d) Special dry powder

8 What kind of energy is obtained by tapping the steam trapped underground of earth's surface?

(a) Thermal Energy (b) Steam energy (c) Geothermal energy (d) Hydro energy

9 What type of movement is observed when two tectonic plates push against each other?

(a) Convergent (b) Divergent (c) Rupture (d) Transformational

10 What do you call the atmospheric phenomena in which there is rapid inward circulation of air masses about a low pressure center?

(a) Tsunami (b) Cyclone (c) Rain (d) Snow fall

11 The pathogens which can be easily transmitted from person to person and causes high mortality during Bioterrorism can be classified under which category?

(a) Category B (b) Category A (c) Category D (d) Category C

12 What do you call the phenomena when strong dry wind blows over the desert that raises and carries along clouds of dust reducing visibility to zero?

(a) Sunstroke (b) Sandstorm (c) Storm (d) Tornado

"END OF PAPER"