GANPAT UNIVERSITY

B.Tech. Semester- I (ME/MC/EE/CIVIL) ENGINEERING

Regular Examination - November / December: 2012

CI-103: Environmental Studies and Disaster Management

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) Define the following terms: Environment, Ecology, Lithosphere, Antecology, Synecology, Ecosystem Write a short note on Environmental Degradation. OR Q-1 Attempt the Following (A) Write a short note on: -1. Hydrosphere 2. Biosphere. (B) Explain Structure of Almosphere in detail. Q-2 Attempt the Following. (A) Explain the importance of man and environment relationship. (B) Explain:- Energy Flow in ecosystem OR Q-2 Attempt the Following. (A) Explain Desert Ecosystem. (B) Explain Pyramid of Energy Q-3 Attempt the following: (A) Draw and Explain Hydrological Cycle. Draw and Explain Oxygen Cycle. Section - II Q-4 Attempt the following. (A) Describe in detail ozone layer depletion process. 4 (B) Enlist classification of water pollutants and explain any two in detail. OR	Max.Ti	ime: 3 Hours	Max. Marks: 70
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Q-4	Attempt the following.	
(A)	Explain environmental impacts of mineral extraction.	-
(B)	Describe the effects of noise pollution on humans and animals.	
(C)	Define terrorism and war.	
Q-5	Attempt the following.	
(A)	Explain conservation and exhaustion of resources.	
(B)	Enlist applications of solar energy and explain any two in detail.	
(C)	Define cyclone and utility failure.	
(-)	OR	
0.5		
Q-5	Attempt the following. Describe adverse effects of drought.	,
(A)	Define riot and demonstration.	
(B)		
(C)	Describe three ways to minimize radiation exposure.	
(D)	Define 1. Tsunami	
	2. Relief	
	3. Mitigation	
	4. Heat exhaustion	
Q-6	Attempt the following.	
(A)	Answer the following multiple choice questions:	1
1.	Epicenter is the point on earth's surface vertically above	
	a) Fault	
	b) Fold	
	c) Hypocenter	
	d) Seismic wave	
2.	The type of movement where tectonic plates pull away from each other	
	a) Transformational b) Divergent	
	b) Divergent c) Convergent	
	d) Rupture	
3.	The condition where body temperature rises very high causing brain damage and may	
	result death	
	a) Paralysis	
	b) Heat stroke	
	c) Heat exhaustion	
	d) Jaundice	
4.	Rainfall overwhelming drainage capacity of urban areas causing flooding is called a) Flash floods	
	b) Riverine floods	
	c) Debris flow	
	d) Urban floods	
5.	Slow, steady down slope movement of soil or rock often indicated by bent tree is called	
	a) Creep	
	b) Mudflow	
	c) Landslide	
	d) Avalanche	

- 6. Fires involving electrical equipment are classified under which class?
 - a) Class A
 - b) Class B
 - c) Class C
 - d) Class D
- (B) Answer in one word.
- 1) The emerging pathogens that could be engineered for mass dissemination in future are classified under which category?
- 2) Where and what was the name of major nuclear accident taken place?
- 3) Name the toxic gas leaked during Bhopal gas tragedy.
- 4) Where the largest wind farm located in our country and what is its capacity?
- 5) Which renewable energy has explosion hazard and difficult to store and transport?
- Nuclear energy produced by splitting atom's nucleus is called

"END OF PAPER"

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