



**GIET UNIVERSITY, GUNUPUR – 765022**  
**B. Sc (AG) (Fourth Semester) Examinations, June – 2021**  
**FO-222 - ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT**

Time: 2 hrs

Maximum : 50 Marks

**The figures in the right hand margin indicate marks.**

**PART-A**

**Q.1 Fill in the blanks with suitable word.****(0.5 x 10 = 5 Marks)**

- a. Usually natural resources are divided into two categories, one is \_\_\_\_\_ resources and another is non-renewable resources.
- b. Bio safety and bio security measures are common \_\_\_\_\_ mechanism against Biological disaster.
- c. The shape of pyramid of energy is always \_\_\_\_\_.
- d. If, the competition occurs between individual of same species is named as \_\_\_\_\_.
- e. \_\_\_\_\_ is the production in an unit area over an unit time of crop species.
- f. Nitrogen cycle is the circulation of \_\_\_\_\_ in the nature, through the process of nitrification, ammonification and denitrification.
- g. Disasters caused by human error are called as \_\_\_\_\_ disaster.
- h. Deforestation results in \_\_\_\_\_ of Biodiversity.
- i. Torrential rain on catchment area may cause \_\_\_\_\_ in river plain.
- j. The temperature is \_\_\_\_\_ in the top of the flame as compare to its inner core.

**Q. 2 Define/ Explain the following in one or two sentences****(1 x 5 = 5 Marks)**

- a) **Ecology**
- b) **Food chain**
- c) **Photosynthesis**
- d) **Sources of Noise Pollution**
- e) **Crown fire**

**Q.3 Match the following****(0.5 x 10 = 5 Marks)**

Column 1	Column 2
i. Heliophobous	a. Volcanic eruption
ii. Precipitation	b. Leopard
iii. Wind speed	c. Global warming
iv. Alpine zone	d. Pandemic
v. Meltdown of core	e. Sciophilous
vi. Avalanche	f. Rapid snow slide
vii. COVID-19, Swine flu	g. Anemograph
viii. Climate change	h. Nuclear reactor failure
ix. Natural hazard	i. Conifers
x. Carnivorous	j. Rainfall

Reg. No.											
-------------	--	--	--	--	--	--	--	--	--	--	--

**Q.4 Write True/ False against each statement.****(0.5 x 10 = 5 Marks)**

- i. Xerophytes plants are growing under dry condition.
- ii. Synecology, deals with the study of group of organisms in relation to their environment.
- iii. Chlorofluorocarbon is not a greenhouse gas.
- iv. Aerosol particles are smaller than dust particles in the atmosphere.
- v. Abiotics are the living components in an ecosystem.
- vi. Wet areas, which has a characteristic of lack in soil moisture.
- vii. The word disaster is coined from French word which means evil star.
- viii. The oil well fires are more difficult to extinguish than regular fires due to the enormous fuel supply for the fire.
- ix. Nuclear, Biological and Chemical (NBC) war heads are commonly called as Weapon of Mass Destruction (WMD)
- x. Airport authority could responsible for any air accident occurs within its five kilometre radius.

**PART-B****Attempt any *five* questions in a descriptive manner.****(6 x 5 = 30 Marks)**

5. Explain the causes of Biodiversity losses in global arena.
6. Describe the possible causes of transport accidents & their rescue options.
7. Explain the features that affects temperature which varies from place to place.
8. Man is the greatest destructor of the forest- Explain this statement.
9. Describe the salient features of mesophyte plants.
10. Explain the activities taken by National Disaster Relief Force (NDRF) personnel in post cyclone affected areas.

***--- End of the paper ---***