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## **SPECIALIZATION IN CYBER SECURITY (CS)**

EXAMINATION: DECEMBER – 2023 SEMESTER - IV

Sub: Environmental Studies (BCA-445-18/BCA-445-20/ BCA-CS-445-20/BCA-446)

Date: 22/12/2023 Total Marks: 60 Time: 2.00 pm to 4.30 pm

#### Instructions:

- 1. All questions are compulsory unless and otherwise stated.
- 2. Bold figures to the right of every question are the maximum marks for that question.
- 3. Candidates are advised to attempt questions in order.
- 4. Answers written illegibly are likely to be marked zero.
- 5. Use of scientific calculators, Log tables, Mollier Charts is allowed.

	6. Draw neat and labeled diagrams wherever	necessary.	
Q.1.	Fill in the blanks.		(5)
1.	Ecology deals with the study of		
	a) environment	b) biotic and abiotic components	
	c) reciprocal relationships between living and nonliving components		
2.	The single largest contributor to the global greenhouse effect is		
	a) Carbon dioxide	b) Oxygen	
	c) Ozone	d) Methane	
3.	is winds blowing spirally inwards into regions of low pressure in the		
	centre.		
	a) Earthquake	b) Cyclone	
	c) Flood	d) All of these	
4.	is mainly generated as biogas.	,	
	a) CO2	b) NO2	
	c) CH4	d) N2O	
5.	World Environment day is observed on		
	a) 5 <sup>th</sup> June	b)5 <sup>th</sup> December	
	c) 15 <sup>th</sup> May	d) 25 <sup>th</sup> September	
Q.2.	State True/False.		(5)
1.	Energy pyramid is always upright.		
2.	Similarity of life forms is biodiversity		
3.	Polluted water causes diarrhoea		
4.	Solar energy is a conventional energy source.		
5.	Emission of sulfur dioxide causes acid rain.		
Q.3.	Answer the following. (Solve any 5)		(10)
1.	Write formula of population growth		
2.	Give ecological significance of forest.		
3.	Enlist air pollutants		
4.	What is desertification?		
5.	What is greenhouse effect?		
6.	What precautions are taken during earthquakes?	2	

### Q. 4. Answer the following in detail. (Solve any 6)

- (30)1. Grassland ecosystem
- 2. Biogas
- 3. Causes of floods
- 4. Sources of soil pollution
- 5. Causes of loss of biodiversity
- 6. Food web
- 7. Importance of water conservation

## Q. 5. Answer the following in detail. (Solve any 2)

(10)

- 1. Write an essay on natural resources
- 2. Explain necessity of environmental awareness.
- 3. What is marine pollution ?Add a note on its effect.