

Enrollment No.....



Faculty of Agriculture
End Sem Examination Dec 2024
AG3CO22

Environmental Studies & Disaster Management

Programme: B.Sc. (Hons.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- | | Marks | BL | PO | CO | PSO |
|--|------------------------|----|----|----|-----|
| Q.1 i. The objective of environment studies is _____. | 1 | 1 | 1 | 1 | 1 |
| (a) Raise consciousness about environment conditions | | | | | |
| (b) To teach environmentally appropriate behavior | | | | | |
| (c) Create an environmental ethic sensitive society | | | | | |
| (d) All of these | | | | | |
| ii. _____ is the example of non-renewable natural resources. | 1 | 1 | 1 | 1 | 1 |
| (a) Water | (b) Solar Energy | | | | |
| (c) Crops | (d) Coal and Petroleum | | | | |
| iii. Development activities on the hydrosphere cause _____. | 1 | 2 | 4 | 2 | 2 |
| (a) Air pollution | (b) Soil pollution | | | | |
| (c) Water pollution | (d) Soil erosion | | | | |
| iv. The region of earth, where life exists is known as- | 1 | 2 | 3 | 2 | 3 |
| (a) Hydrosphere | (b) Biosphere | | | | |
| (c) Lithosphere | (d) Atmosphere | | | | |
| v. Which of the following is NOT a structural component of an ecosystem? | 1 | 1 | 2 | 3 | 2 |
| (a) Energy flow | (b) Producers | | | | |
| (c) Consumers | (d) Decomposers | | | | |

[1]				[2]			
Marking Scheme							
AG3CO22 - Environmental Studies and Disaster Management							
Q.1	i)	d. All of the above	1	Q.4	i.	Write a short note on food chains.	- 2 2
	ii)	d. Coal and Petroleum	1		ii.	Write a short note on food webs.	- 2 2
	iii)	c. Water pollution	1		iii.	Describe the biodiversity in details.	- 2 6
	iv)	b. Biosphere	1			What is the difference between in-situ and ex-situ conservation of biodiversity.	- 4
	v)	a. Energy flow	1	OR	iii.	Briefly explain Producers with examples.	- 2 6
	vi)	c. Plants	1			Briefly explain Consumers with examples.	- 2
	vii)	d. Amazon Rainforest	1			Briefly explain Decomposers with examples.	- 2
	viii)	b. Illegal hunting	1	Q.5	i.	Summarize the relationship between ecosystem and biodiversity?	2
	ix)	c. Food web	1		ii.	What do you mean by environmental pollution?	- 1 2
	x)	d. Sunder Lal Bahuguna	1		iii.	Explain the effect of environmental pollution.	- 1
						Describe energy?	- 1 4
						Give a brief account of conventional energy sources.	- 1.5
						Give a brief account of conventional and non-conventional energy sources.	- 1.5
				OR	iv.	Describe the effects of urban and industrial wastes management.	- 2 4
						Describe the control measures of urban and industrial wastes management.	- 2
Q.2	i.	Define environment?	1	Q.6	Attempt any two:		
	ii.	What are major environmental issues. Discuss in brief.	2		i.	Briefly describe the concept of disaster management.	- 2 4
	iii.	Describe the scope of environmental studies?	- 2.5			Explain the community-based disaster management.	- 2
		Describe the importance of environmental studies?	- 2.5		ii.	What do you understand by the international strategy for disaster reduction?	4
OR	iv.	Write a short note on sustainable development?	- 2.5		iii.	Summarize the natural disasters and their types.	- 2 4
		How can we attain sustainable development?	- 2.5			Summarize the man-made disasters and their types.	- 2
Q.3	i.	Define natural resource?	1				
	ii.	Classify the different types of environmental resources?	3				
	iii.	Explain the renewable resources with example.	- 2 4				
		Explain the non-renewable resources with example.	- 2				
OR	iv.	Define deforestation.	- 2 4				
		Discuss the causes of deforestation.	- 2				