

Total No. of Questions: 3

Total No. of Printed Pages: 2

Enrollment No.....



Faculty of Pharmacy
End Sem Examination May-2024
PY3HS02 Environmental Sciences

Programme: B. Pharm.

Branch/Specialisation: Pharmacy

Duration: 3 Hrs.**Maximum Marks: 50**

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. _____ community is considered as the first environmentalists of India. **1**
- ii. Write the importance of solar panels. **1**
- iii. What is an ecological succession? **1**
- iv. Write the role of turbine in electricity generation. **1**
- v. Define the term ecosystem. **1**
- vi. Enlist different types of ecosystems. **1**
- vii. Define pioneer community. **1**
- viii. Define estuaries. **1**
- ix. What do you mean by anthropogenic soil pollution? **1**
- x. Define pollutants with example. **1**

- Q.2 Attempt any two:
- i. Explain the role of an individual associated in conservation of natural resources. **5**
- ii. Discuss the importance of mineral resources with suitable examples. **5**
- iii. (a) What are the forest resources and their associated problems? **2.5**
(b) Discuss resources of water and their associated problems. **2.5**

- Q.3 Attempt any six: Two questions from each section is compulsory.

Section - A

- i. Write a note on ecosystem and its concept. **5**

- ii. Differentiate primary and secondary ecological succession. **5**
- iii. Enlist the characteristic features of an ecosystem. **5**

Section - B

- iv. Write a note on grassland ecosystem. **5**
- v. Enumerate the characteristic features and functions of aquatic ecosystem. **5**
- vi. Discuss the structure and functions of desert ecosystem. **5**

Section - C

- vii. Discuss any one incident based on water pollution. **5**
- viii. What is air pollution and its control measures? **5**
- ix. Write a note on route causes and process that causes soil pollution. **5**

Marking Scheme

Environmental Sciences (T) - PY3HS02 (T)

Q.1	i)	Bishnoi community		1
	ii)	Importance of solar panels		1
	iii)	Ecological succession- definition		1
	iv)	The role of turbine in electricity generation. Speed		1
	v)	Definition- ecosystem.		1
	vi)	Enlist different types of ecosystems.		1
			One type = 0.5 Marks	
	vii)	Definition- pioneer community.	First community	1
	viii)	Definition- estuaries. Area to combining sea and river water community		1
	ix)	Anthropogenic soil pollution	Human pollution	1
Q.2	x)	Definition- pollutants with example	one pollution = 0.5 Marks	1
	Attempt any two:			
	i.	Role of an individual associated in conservation of natural resources.	One Point = 1 Marks	5
	ii.	Importance of mineral resources with suitable examples.		5
			One resource = 1 Marks	
Q.3	iii.	(a) forest resources- associated problems-	1 Marks	2.5
		(b) Resources of water- their associated problems-	1.5 Marks	
			1 Marks	2.5
			1.5 Marks	
Attempt any six: Two questions from each section is compulsory.				
Section - A				
i.	Note on ecosystem-		3 Marks	5
	Its concept-		2 Marks	
	Difference between- primary and secondary ecological succession		(5 points- 1 Mark each)	5
iii.	Characteristic features of an ecosystem.			5
	1 feature 1 mark each			
Section - B				
iv.	Note on grassland ecosystem.			5
	1 point 1 mark each			
v.	Characteristic features-		2.5 Marks	5
	Functions of aquatic ecosystem-		2.5 Marks	
vi.	Structure of desert ecosystem-		2.5 Marks	5
	Functions of desert ecosystem-		2.5 Marks	

Section - C			
vii.	One incident based on water pollution.		5
viii.	Air pollution- its control measures-	2.5 Marks	5
ix.	Note on route causes- Process that causes soil pollution-	2.5 Marks	5
		2.5 Marks	
