MA RURAL DEVELOPMENT

First Semester

Natural Resource Management MRD-104

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20 Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8 Question no. 1 is compulsory.

- 1. Define JFM? What is a JFM Committee? What are the objectives of National Forest policy? (4+2+4=10)
- 2. What is Natural Resource? Classify the Natural Resources. What is Resource Utilization and their impact on livelihood pattern? (2+4+4=10)
- 3. What is Ecotone? Explain the characteristics of an Ecotone? Define Zimmerman's Concept of resource. (2+4+4=10)
- 4. Explain Forest Policy. Give an account of economic importance of forest resources. (5+5=10)
- 5. Explain the Functional Theory of resources. Define Biotic and Abiotic Resource. Explain the importance of natural resources on the economic development in a country? (4+4+2=10)
- 6. Write Short Note on:

 $(5 \times 2 = 10)$

a) Food Web

- b)Food Chain
- c) Environmental Balance
- d) Biosphere

- e)Biome
- 7. What is Ecosystem? What are the functions of an Ecosystem? (5+5=10)
- 8. Explain Bio-geochemical Cycle. Define Nitrogen Cycle. (2+8=10)

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יע	aration: 20 mir	iutes	(PART A - Obj	ective Type)	Marks – 20	
I.	Choose the cor	rect answer:			1×20=20	
1.	The Ministry o	of Environme	nt Forests of the C	Sovernment of India	announced its new forest	
	policy in the ye	ear				
	a) 1975	b) 1978	c) 1988	d) 1992		
2.	Flora and Fauna are the example ofresources					
	a) Biotic		b) Abiotic	b) Abiotic		
3.	3. Oil and wind energy are considered as a					
a) Renewable resources			b) Non- ren	b) Non- renewable resources		
4.	4. The ministry of Water Resources, Government of India introduced national water Pol					
	the year					
	a) 2000	b) 2002	c) 2005	d) 2007		
5. JFM is a participatory approach in						
	c) Forest Management d) Ru		d) Rural Developr	nent	4	
6.	India is possessing per cent of the total land surface of the world					
	a) 2.1	b) 2.5	c) 2.4	d) 2.6		
7.	The term Biosphere is coined by					
	a) Eduard Suess	S	b) W.G. Rosen	c) Edwards	d) Mckinsey	
8.	Biomes are very largeareas on the earth surface					
	a) Ecological		b) Economi	cal		
9.	JFM is an approach and program initiated in the context of thepolic					
	a)Land Policy		b) Mineral p			
	c) National For	est Policy	d)Water Pol	icv		

10.	Presentlyof the total reporting area is not available for cultivation							
	a) 20 per cent	b) 15 per cent	c) 19 per cent	d) 14 per cent				
11.	Coal is one of the pri	mary sources of energ	gy accounting for abo	outof total				
	energy consumption in the country.							
	a) 67 per cent	b) 70 per cent	c) 75 per cent	d) 79 per cent				
12.	The eminent professor	or of economics Erich	W. Zimmermann pr	omulgated his				
famous "Concept of Reources" in the year								
	a) 1920	b) 1925	c) 1933	d) 1937				
3.	An ecosystem is a co	omplex set of relation	ship among the	, habitats,				
	residents of an area							
	a) living resources	b) non-living	resources					
14. The word "Ecology" derived from theword								
	a) Spanish	b) Greek	c) French	d) German				
15.	5. Ecology, the scientific study of the relationships between organisms and their environment							
	(True/False)							
16. The target of achieving 33 per cent of the total area under Green coverage, as inco								
	in our Forest Policy, 1952.							
	(True/False)							
17.	Mineral resources are considered as an important variety of renewable natural resources. On which economic development of the country depends to a large content.							
	(True/False)							
18.	The Coal Mines Act	was amended in June	9, 1993.					
	(True/False)		70					
19.	19. India is the Second largest producer of fish in the world.							
	(True/False)							
20.	14 per cent of th	ne total reporting a	area in India are	classified as Barren Land				
	(True/False)							