Seat No: _____ Enrollment No:____

PARUL UNIVERSITY

COLLEGE OF AGRICULTURE

B.Sc. (Hons.) Agriculture Winter 2019 - 20 Examination

Semester: 3 Date: 25/11/2019

Subject Code: 20110202 Time: 02:00pm to04:30pm

Subject Name: Environmental studies and Disaster management Total Marks: 50

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Instructions				
1. All questions are compulsory.				
2. Figures to the right indicate full marks.				
3. Make suitable assumptions wherever necessary.				
4. Start new question on new page.				
I				
Q.1 Do as Directed.				
A. Fill in the blanks. (Each of 0.5 mark)		(05)		
1. In the structure of earth, the core layer is possibly composed of				
The major ecological communities/ecosystem are also termed as				
3. Troposphere extends up to				
4. The multilayered gaseous envelope surrounding the planet earth is called				
		-		
5. The state having highest forest cover in India6. Ozone layer present in layer of atmosphere.				
	een biotic & abiotic factor is called			
8 is example of renewab				
9. The number of hotspots present in I				
10. The chemical formula of ozone is _				
B. Multiple choice type questions. (Each of 0		(10)		
1. The ozone layer present in the atmosphere		(10)		
a)14-18 km	c)50 km			
b)18-50 km	d)50-80 km			
2. Denitrification bacteria is	U)30-00 KIII			
a) Nitrosomonas	c)Pseudomonas fluroscence			
b) Nitrobacter	d) None			
3. THE ENVIRONMENT PROTECTION A	,			
a) 1986	c)1972			
b)1990	d)1980			
4. What is deforestation?	d)1960			
	D)Destruction of forest			
A)Product of forest	B)Destruction of forest			
C)Forest Protection	D)None			
5. The dam which is built for Narmada river	· ·			
a) Heerakund	c) Sardar sarovar			
b) Bhakranangal	d) Nagarjunsagar dam			
6.The layer of earth surround the air is called				
a) atmosphere	c) biosphere			
b) hydrosphere	d) lithosphere			
7. The Gir national park providing habitat fo				
a) Bengal tiger	c) rhinoceros			
b) Asiatic lions	d) elephants			
8. The area to which a species is biologically	•			
(a) Niche	b) Habitat			
c) Succession	d) Community			
9.Coldest layer of atmosphere				
a) Troposphere	c) Ionosphere			
b) Mesosphere	d) Thermosphere			
10. The presence of which is necessary for photosynthesis				
(a) Chloroform	b) Chlorophyll			
	d) Polymer			
c) Phosphorus				

	11. The relationship between nitrogen fixing bacteri	ia and	leguminous plants is an example for	
	(a) Parasitism	b) Pı	redation	
	c) Mutualism	d) C	ommensalism	
	12 An example of lotic system	,		
	(a) Pond	b) R	ver	
	(c) Lake	d) R	eservoir	
	13 The term 'Ecology' was coined by			
	(a) A.G.Tansley	b) Ea	arnst Haeckel	
	c) Aristotle	d) Li	nnaeus	
	14 The annual rainfall of India			
	a) 1194 mm	c) 90	00 mm	
	b) 1000 mm	d) 15	500 mm	
	15 An example of an abiotic component			
	(a) Plants	b) So		
	c) Animals	d) B	acteria	
	16 What is lentic habitat?	1 \ 0		
	(a) Running water habitat		anding or still water habitat	
	c) Marine habitat	d) N		
	17. The total number of oceans present in the world			
	a) 4	c) 6		
	b) 5	d) 7		
	18. Acid rain contains	1.\ TT	udas ablasia a si d	
	a) sulphur dioxide		ydrochloric acid	
	c) Oxalic acid19. The gas which is mainly responsible for ozone l	,	cetic acid	
	a) CFC	c) N	-	
	b) CO2	d) S		
	20. The source of methane gas to the environment i		52	
	a) Paddy field and biogas		utomobiles	
	b) Deforestation		ehicles	
0.2	Do as Directed.	,		
_	Define the following. (Any five out of seven)			(05)
	1.Environmental Science			` /
	2. Ecosystem			
	3. Biodiversity			
	4. Ecology			
	5. Lithosphere			
	6. Eutrophication			
	7. deforestation			
В	Answer the following. (Any five out of seven)			(05)
	1. Natural resources	2.	Biodegradable	
	3. Forest	4.	Food chain	
	5. Food web		Ecological pyramid	
0.2	TT7 *	7.	Deforestation	(4.0)
Q.3	Write short notes. (Any five out of six)			(10)
	1. Diagram of Food Chain			
	2.carban cycle.3.Soil Pollution			
	4. Renewable and non-renewable resources			
	5.wetland ecosystem			
	6.ecological pyramid			
0.4	Long Questions/Example (Attempt any three ou	it of fo	ur)	(15)
~··	1. Explain the effect of global warming?	-5 01 10	 /	(10)
	2.what is pollution ?explain			
	3. What is biodiversity? threats of biodiversity			
	4. Explain aquatic ecosystem .			
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