Seat No:\_\_\_\_\_ Enrollment No:\_\_\_\_

## PARUL UNIVERSITY

## COLLEGE OF AGRICULTURE

## **B.Sc.** (Hons.) Agriculture Summer 2018 - 19 Examination

Semester: 3 Date: 25/04/2019

Subject Code: 20110202 Time: 10:30am To 01:00pm

Subject Name: Environmental Studies and Disaster Management Total Marks: 50

		ns

- 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.

	e blanks. (Each of 0.5 marks) zone layer present in	layer of atmosphere	(05)
	he term biodiversity was coined by		
	he number of hotspots present in India is he solid or hard mass of earth subsystem		
	ood aquifers are made up of	is called	
5. U	he seat of weather phenomenon called	layer of atmosphere.	
7 Ti	he term ecosystem was coined by	layer or atmosphere.	
7. T	he state having highest forest cover in In	dia	
		cover compare to its geographical area is	
10. D	ams are temples of modern India said by	1	
B. Multiple	choice type questions. (Each of 0.5 ma	rks)	(10)
1. The ozo	one layer present in the atmosphere at a o	distance from the earth	
a)14-1	18 km	c)50 km	
b)18-	50 km	d)50-80 km	
2. Denitri	fication bacteria is		
a) Nit	rosomonas	c)Pseudomonas fluroscence	
b) Nit	robacter	d) None	
3. Curren	t rate of deforestation ism h	na/year	
a) 100	)	c)30	
b)20		d)10	
4.The min	eral which is extracted from dredging m	nethod of mining is	
a) Sar	nd	c) Lignite	
b) Co		d) Manganese	
5. The dar	n which is built for Narmada river in G	ujarat is	
a) He	erakund	c) Sardar sarovar	
	akranangal	d) Nagarjunsagar dam	
6. The lay	er of earth surround the air is called		
	nosphere	c) biosphere	
	drosphere	d) lithosphere	
7. The Gir	national park providing habitat for which	ch wildlife	
	ngal tiger	c) rhinoceros	
b) Asi	iatic lions	d) elephants	
8. Panna t	iger reserve located in		
	wdelhi	c) Bihar	
b) Gu	•	d) Madhya Pradesh	
	layer of atmosphere		
	pposphere	c) Ionosphere	
	esosphere	d) Thermosphere	
	yer of atmosphere having radioactivity i		
	pposphere	c) Ionosphere	
	nosphere	d) Thermosphere	
	eather phenomenon fog and smoke occu	<u> </u>	
	pposphere	c) Ionosphere	
h) Atı	nosphere	d) Thermosphere	

12	The crop which takes nitrogen in the form of am	monia	
	a) Cotton	c) Paddy	
	b) Wheat	d) Carrot	
13 '	The place receives highest rainfall in the world le	ocated at	
	a) Agumbe	c) Mousinram	
	b) Kerala	d) Verkoyansk	
14 '	The annual rainfall of India	•	
	a) 1194 mm	c) 900 mm	
	b) 1000 mm	d) 1500 mm	
15 '	The mining which is used to extract the diamond	I from the earth	
	a) Strip mining	c) Sub surface method	
	b) Surface mining	d) Open pit method	
161	For water bodies which method of mining is used	d mainly to extract the sand	
	a) Strip mining	c) Dredging	
	b) Surface mining	d) Open pit method	
17.	The total number of oceans present in the world		
	a) 4	c) 6	
	b) 5	d) 7	
18.	The molecular formula of ozone is	_	
	a) O2	c) O4	
	b) O3	d) O	
19.	The gas which is mainly responsible for ozone l	ayer depletion is	
	a) CFC	c) NO2	
	b) CO2	d) SO2	
20.	The source of methane gas to the environment is	s	
	a) Paddy field and biogas	c) Automobiles	
	b) Deforestation	d) Vehicles	
Q.2 Do	as Directed.		
A. Def	fine the following. (Any five)		(05)
	1. Natural resources		
	2. Non-Renewable energy		
	3. Hydrosphere		
	4. Food chain		
	5. Food web		
	6. Ecological pyramid		
	7. Aforestation		
B. Ans	swer the following. (Any Five)		(05)
	1. Environmental science		
	2. Ecosystem		
	3. Biodiversity		
	4. Unconfined aquifer		
	5. Aquifer		
	6. Biosphere		
	7. Endemic species		(4.0)
Q.3 Wr	rite short notes. (Any five)		(10)
	1. Explain the structure of an ecosystem		
	2. Give the importance of forest ecosystem		
	3. Give graphical representation of ground	· · · · · · · · · · · · · · · · · · ·	
	4. Explain the classification of ecosystem		
	5. Explain the functions of forest resource	S.	
	6. Explain the mineral resources.		
Q.4 At	tempt any Three/Long Questions/Example		<b>(15)</b>
	1. Define mining? And explain the types		
		nd structure of ecosystem with an example? And	
	give food chain in the grassland ecosys		
	-	How agricultural activities increasing global	
	warming.		
	4. Define hotspot? Mention hotspots in Ir	ndia? Explain the uses of biosphere reserve.	