Seat No:____

PARUL UNIVERSITY COLLEGE OF AGRICULTURE B.Sc.(Hons.) Summer 2021 -22 Examination

Enrollment No:_____

B.Sc.(Hons.) Summer	2021 -22 Examination	
Semester: 3	Date: 26-03-2022	
Subject Code: 20110202	Time: 2:00pm to	-
Subject Name: Environmental Studies and Disaster M	anagement Total Marks: 50	
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.		
Q.1 Do as Directed.		
A. Fill in the blanks. (Each of 0.5 marks)		(05)
1. World environment day is celebrated on	every	
2. Among biological component of enviror	ment, the occupies central positi	on.
3. Any external force, substance or condition	on that affects organisms is known as	
4factor deals with the formation of se	oil, it's physical and chemical propert	ies.
5factor are all kinds of interactions		
6growing best in full sunlight.		
7which grow best at lower sunlight		
8. The speed to locomotion in some lower	nimals is regulated by light. This phe	nomenon is
known as		
9. Phenomenon of orientation of movemen	of animals in response to light is call	led as
10. Precipitation occurs in form of minute da	ops float in air is called as	
B. Multiple choice type questions. (Each of 0.5 ma	rks)	(10)
1. The dam which is built for Narmada river in G	ujarat is	
a) Heerakund	c) Sardar sarovar	
b) Bhakranangal	d) Nagarjunsagar dam	
2. Coldest layer of atmosphere		
a) Troposphere	c) Ionosphere	
b) Mesosphere	d) Thermosphere	
3. The term biodiversity was coined by		
a) Reiter	c) Johanson	
b) Walter G. Rosen	d) Bateson	
4. In the ecological pyramid the trophic level orga	nisms are called as	
a) Producers	c) Dtrivores	
b) Consumers	d) Decomposers	
5. The primary producers in the marine ecosysten		
a) Plants	c) Phytoplanktons	
b) Zooplanktons	d) Algae	
6. An example for top carnivores in an ecosystem		
a) Cows	c) Snakes	
b) Tigers	d) Humans	
7. The percentage of water present in the soil is		
a) 0.02%	c) 0.0002%	
b) 0.002%	d) 0.2%	
8. Concentration of CO2 in the atmosphere is		
a) 0.03%	c) 0.05%	
b) 0.003%	d) 0.5%	
9. The gases which are responsible for global war	ming is called	
a) Global gases	c) Greenhouse gases	
b) Both	d) None	
10 is the sum total of all condi	tions that affects life and its developm	nent.
a) Environment	c) Habitat	
b) Ecology	d) Pollution	
11. Ozone layer filters following radiation to prot	,	
a) X-rays	c) Visible	
b) Infrared	d) Ultra violet	
-,	-,	

12	All weather phonomena take place in		
	All weather phenomena take place in a) Troposphere	c) Mesosphere	
	b) Ionosphere	d) Stratosphere	
	is the major component of ph		
13. <u>-</u>			
1	a) NO ₂	c) O_3	
	b) SO_2	d) CO ₂	
	The height of troposphere from equator is	-) 1 5 1	
	a) 25 km	c) 15 km	
	b) 10 km Jarbiuarous are known as	d) 20 km	
	Herbivorous are known as cor		
	a) Primary b) Secondary	c) Tertiary d) All	
	The maximum concentration of Ozone found		
	a) Troposphere	c) Thermosphere	
	b) Stratosphere	d) All	
	Chipko Movement was first started in the st		
	a) Gujarat	c) Karnataka	
	b) Rajasthan	d) Uttarakhand	
	How many agro-climatic zones in India?	d) Ottaraniana	
10.1	a) 15	c) 20	
	b) 17	d) 10	
19.	The first biosphere reserve in India was		
-,.	a) Nilgiri	c) Nanda devi	
	b) Sundarban	d) Nokrek	
20.	The study of physical condition of atmosphere		
	a) Geology	c) Climatology	
	b) Meteorology	d) None of Above	
Q.2 Do a	as Directed.		
A. Defi	ne the following. (Any five)		(05)
	Aquifer		
2.	Biosphere		
3.	Endemic species		
4.	Environmental science		
5.	Ecosystem		
6.	Biodiversity		
7.	Unconfined aquifer		
	wer the following. (Any Five)		(05)
	What are the sources of water pollution?		
	Give the effect of water pollution		
	Hydrosphere		
	Food chain		
	Give the effect of soil pollution		
6.	Ecological pyramid		
7.	Give the effect of acid rain.		
Q.3 Wri	te short notes. (Any five)		(10)
1.	List the various ecological factors		
2.	List the climatic or aerial factors.		
3.	What are the effects of air pollution?		
4.	Explain the interaction of ecological factor	rs with diagram.	
	How light affect the plants' life. Explain.		
	Give the causes of soil pollution		
	mpt any Three/Long Questions/Example		(15)
	What are the effects of population and hun		
	How ozone protect the earth from harmful	-	
	3. How humans are responsible for climate change? Explain.		
4.	4. Define hotspot? Mention hotspots in India? Mention the significance between food chain and		
	food web in an ecosystem.		