Seat No:_____

Enrollment No:_____

PARUL UNIVERSITY FACULTY OF AGRICULTURE B.Tech. (Dairy Technology) 2019 - 20 Examination

Semester: Subject Co Subject Na	ode: 20	Date: 16/12/2019 Time: 10.30 am to 12.30 pm 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 A)	Fill in i)	the blanks (Each of 0.5 Mark) The pollutant responsible for ozone layer depletion is	. (05)				
	ii)	The main source of energy is					
	iii)	The group of organisms that make their own food are known as	·				
	iv)	The layer of atmosphere containing ozone gas is					
	v)	Evaporation, Condensation and Precipitation are steps of	cycle.				
	vi)	Pyramid of Energy is always					
	vii)	The concentration of is highest in our atmospl	nere.				
	viii)	The sources of air pollutants which can move are known as	sources.				
	ix)	Excessive nutrient growth in water bodies is called as	·				
	x)	The resources which can be regenerated are known as	resources.				
B)	Multi	ple Choice Questions (Each of 0.5 Mark)	(10)				
	i)	Vermicomposting is done by a) fungus b) animals c) bacteria d) worms					
	ii)	Air pollution is caused by a) Sewage b) Insecticides c) Loud speakers d) Smo	ke				
	iii)	Which one the following is not biodegradable? a) earthworm b) fruits c) Aluminium Foil d) vegetables					
	iv)	If waste materials contaminate the source of drinking water wh diseases will spread? a) Cholera b) Malaria c) Asthma d) Alzheime	-				
	v)	Biotic environment includes a) Consumers b) Producers c) Decomposers c	l) All of above				
	vi)	The group of organisms which convert light into food are calle a) decomposers b) autotrophs c) omnivores d) hete	d erotrophs				
	vii)	 What will be the outcome of Eutrophication of surface waters? a) Decrease in nitrogen concentration b) Decrease in phosphorus concentration c) Decrease in both nitrogen and phosphorus concentrations d) Overproduction of biomass 					

viii)	Which one of the following is the cleanest source of energy? a) Hydro Power b) Fossil Fuel c) Geothermal Energy d) Bio Fuels					
ix)	Group of individuals of the same species that share common attributes are called: a) Community b) Population c) Ecotype d) Society					
x)	Which of the following is not an important characteristic of the Green Revolution?a) Mechanized Agricultureb) Hybrid Productionc) Burning of Wasted) All of above					
xi)	The stage in which the biological processes is used to purify water in a wastewater treatment plants is called a) Primary sewage treatment b) Secondary sewage treatment c) Tertiary sewage treatment d) Advanced treatment					
xii)	Municipal and industrial discharge pipes are type of sources of pollution. a) Non-Point b) Irrigation c) Point d) Mobile					
xiii)	The lowest layer of atmosphere is a) stratosphere b) Mesosphere c) Troposphere d) Exosphere					
xiv)	World Water day is celebrated ona) 25 th Marchc) 26 th Marchd) 22 nd March					
xv)	Decomposers include a) Fungi b) Bacteria c) Both d) Animals					
xvi) xvii)	 What is the harm from the depletion of Earth's ozone layer? a) The oxygen content of the atmosphere will decrease b) The average temperature of earth's surface will increase gradually c) Increased amount of Ultra violet radiation will reach earth's surface d) Sea levels will rise as the polar ice caps will gradually melt One of the best solutions to get rid of non-biodegradable wastes is a) Burning b) Dumping c) Burying d) Recycling 					
xviii)	a) Duriningb) Duriningc) Duriningd) RecyclingThe layer of atmosphere containing much of ozone gas is a) Thermosphere c) Stratosphereb) Troposphere d) Mesosphere					
xix)	Which of the following is a primary contributor to the greenhouse effect?a) Carbon monoxideb) Carbon dioxidec) Sulphur dioxided) Nitrogen dioxide					
xx)	As the temperature increases, amount of dissolved oxygen in watera) Does not affectedb) Increasesc) Decreasesd) Can't Say					
Define (1) (2) (3) (4) (5) (6) (7)	e the following (Any five out of seven questions) Biosphere Ecosystem Aerosols Pollutants Smoke Fog Water Pollution					

(05)

Q.2 A)

B)	Answer the following (Any five out of seven questions)		
	(1)	With the increase in height, the density of air Increase/Decrease.	
	(2)	World Environment Day is celebrated on which day?	
	(3)	What is Global Warming?	
	(4)	Write effect of Carbon monoxide on human health.	
	(5)	What should be the pH of potable water?	
	(6)	Which law is used to conserve forest area in India?	
	(7)	Which kind of diseases are occurred due to consumption of unhealthy water?	
Q.3	Write Short notes (Any five out of six questions)		
	(1)	What are the objectives of Environmental Studies?	
	(2)	What are the steps towards mitigation of global environmental issues?	
	(3)	Draw structure of ecosystem.	
	(4)	What are the major reasons for the destruction of natural resources?	
	(5)	Differentiate between non-renewable and renewable resources.	
	(6)	Enlist physical characteristics of water.	
Q.4	Long Questions (Any three out of four questions)		
	(1)	Explain Nitrogen Cycle with a neat sketch.	
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- (2)
- Define ecological pyramid? Enlist its types and explain any one in detail. Enlist the Environmental acts existing in India and explain any one in detail. Explain in detail the treatment to wastewater. (3)
- (4)