

PARUL UNIVERSITY
PARUL INSTITUTE OF APPLIED SCIENCES
MID SEMESTER INTERNAL EXAMINATION, MARCH 2018
B. Sc. Semester IV
Subject: BIOCHEMISTRY

Paper Code:11103253

Title of the paper: Environmental Biochemistry

Date: 04/03 /2020

Time: 1.5 hr

Maximum Marks: 40

Instructions:

1. All questions are compulsory and options are given in first and second question only.
2. Numbers to the right of question indicate the marks of respective question.

Q. 1	Attempt any one question of the following. (i) Define and describe water reclamation process. (ii) Compare and contrast aquatic and terrestrial ecosystem.	(08)
Q. 2	Attempt any three questions of the following. (i) Comment on distinguishing features of desert ecosystem. (ii) Explain the relationship between consumerism and waste products. (iii) Briefly explain EPA. (iv) Describe the ways of water conservation. (v) Write about 3R principle with suitable examples.	(12)
Q. 3	Do as directed. Attempt all five questions. (i) Enlist adaptations in forest ecosystem. (ii) Define ecological succession. (iii) How the energy flow in the ecosystem. (iv) Concept of food web. (v) Define ecosystem.	(05)
Q. 4	Write correct option in your answer sheet for following 15 multiple choice questions.	(15)

MCQ 1	World population day is on -----.			
	(A)	11 July	(B)	11 august
	(C)	11 september	(D)	11 June
MCQ 2	3R in sustainable development is----			
	(A)	Reuse,reduce,recycle.	(B)	Report,Reclaim,Reuse.
	(C)	Retain,reuse,repay	(D)	None of the above.
MCQ 3	The provisions for the environmental protection in the constitution were made in			
	(A)	1976	(B)	1950
	(C)	1982	(D)	1960
MCQ 4	NGOs stands for:			
	(A)	Non-Governmental Organization	(B)	Nine-Governmental Organization
	(C)	Non-Gained Organizations	(D)	National-Grade Organization
MCQ 5	Identify the possible link "A" in the following food chain: Plant → insect → frog → "A" → Eagle			

	(A)	Cobra	(B)	Parrot
	(C)	Rabbit	(D)	Wolf
MCQ 6	Trophic levels in ecosystem is formed by :			
	(A)	only herbivores	(B)	only plants
	(C)	only bacteria	(D)	Organisms linked in food chain
MCQ 7	Social, economical and ecological equity is the necessary condition for achieving			
	(A)	Social development	(B)	Economical development
	(C)	Sustainable development	(D)	Ecological development
MCQ 8	An ecosystem which can be easily damaged but can recover after some time if damaging effect stops will be having			
	(A)	High stability and high resilience	(B)	Low stability and low resilience
	(C)	High stability and low resilience	(D)	Low stability and high resilience
MCQ 9	The multi-crore project about the Ganga Action Plan came			
	(A)	1905	(B)	1955
	(C)	1955	(D)	1995.
MCQ 10	The concept of sustainable development encourages			
	(A)	Form of growth that meets current basic needs	(B)	Preservation of the resources for the need of future generation
	(C)	A change in all respects of life	(D)	Growth to meet current needs, preservation for the needs of future and change in all respects of life
MCQ 11	In an ecosystem, the main source of energy is			
	(A)	heat released during transpiration	(B)	solar energy
	(C)	sugar stored in plants	(D)	heat released during fermentation
MCQ 12	Succulent plants grow in			
	(A)	Tundra	(B)	Deserts
	(C)	Tropical rain forests	(D)	Temperate deciduous forests
MCQ 13	Which is the largest ecosystem on Earth?			
	(A)	Desert	(B)	Forest
	(C)	Grassland	(D)	Oceans
MCQ 14	The most important human activity ,leading to the extinction of wildlife is			
	(A)	Pollution of wildlife	(B)	Hunting for valuable wildlife products
	(C)	Introduction foreign species	(D)	Alteration and destruction of natural habitats
MCQ 15	Thickness of plastic cover permissible to use is			
	(A)	50 microns	(B)	20 microns
	(C)	100 microns	(D)	10 microns