



S.Y. B.Tech. (Mechanical Engineering)

(Semester- IV)

END SEMESTER EXAMINATION, AUGUST- 2022

Course Code : UBIO0461,UELE0461 & UMCH0461

Course Name : Environmental Studies (Audit Course)

Day and Date : Friday , 12-Aug-2022

PRN :

Time : 10:00 To 01:00

Max Marks: 100

Instructions:

IMP: Verify that you have received question paper with correct course, code, branch etc.

- i) All questions are compulsory.
- ii) Figure to the right indicate full marks.
- iii) Assume suitable data wherever necessary.

		Marks	B.L	CO's
Q.1	Multiple Choice Questions	40		
1	Conservation of biodiversity in their natural habitats is called a) Ex-situ conservation b) In-situ conservation c) Protected conservation d) Stabilized conservation		2	CO1
2	Which gas is responsible for depletion of ozone layer? a) Chlorofluorocarbon b) Nitrogen c) Oxygen d) Nitrogen Oxide		4	CO3
3	The final stable community in ecological succession is... a) Climax b) Pioneer c) Rare d) Carnivores		2	CO1
4	Biomedical wastes are treated by using a) Incinerators b) Water treatment c) Cyclones d) Land fills		2	CO2
5	Noise pollution means a) Loud sound b) Unwanted sound c) High frequency sound d) Enrichment of plant nutrients in water bodies		2	CO2

	d) Environmental pollution			
6	Ozone layer is present in.... e) Troposphere f) Mesosphere g) Thermosphere d) Stratosphere		4	CO3
7	Hotspots are regions of high.... a) Rareism b) Endemism c) Diversity d) Critically endangered population		2	CO1
8	The Water pollution (Prevention and control of pollution) act was enacted in year.... a) 1981 b) 1986 c) 1974 d) 1972		4	CO4
9	Bhopal gas tragedy occurred due to the leakage of a) Mustard gas b) Methane gas c) Sulphur dioxide d) Methyl Isocyanate		4	CO4
10	The estimated percentage of the forest land that ideally India should have: a) 50% b) 15% c) 33% d) 44%		4	CO4
11	Smog is combination of.... a) Smoke and snow b) Snow and fog c) Smoke and fog d) All the above		2	CO2
12	Recycled water can be used for a) Crop irrigation b) Landscape gardening c) Replenishing fast depleting aquifers d) All of these		2	CO2
13	Word "Environment" is derived from a) Italy b) French c) German d) English		4	CO3
14	Which state has made it compulsory to harvest rain water for all building? a) Rajasthan		4	CO3

	b) West Bengal c) Tamilnadu d) Maharashtra			
15	Abiotic environment does not include ----- a) Soil b) Water c) Air d) Plant		2	CO1
16	Energy obtained from the Earth's hot interior is called the.... a) Geo-Thermal energy b) Thermal energy c) Biomass energy d) None of these		2	CO1
17	Eutrophication means.... a) Water purification b) Neutralization of waste water c) Waste water Treatment process d) Enrichment of plant nutrients in water bodies		2	CO2
18	'World Environmental Day 'is celebrated every year on: a) 5 th May b) 5 th June c) 5 th July d) 18 th July		4	CO3
19	The main driving force of ecological system is ----- a) Wind energy. b) Water energy c) Solar energy d) Earth Energy		2	CO1
20	Why biodiversity valuable and desirable to humans? a) For medical purpose b) For agricultural diversity c) For consumptive use d) All of these		2	CO1
Q.2	Attempt any one.	10		
A	What are natural resources? Give types of natural resources and discuss Food resources as a natural resource.		2	CO1
B	Give salient features of Water (Prevention and control of pollution Act, 1974)		4	CO4
Q.3	Attempt any one.	10		
A	Give sources, effects and control measures of Water pollution		2	CO2
B	What is the need for public awareness? Give its methods.		4	CO3
Q.4	Attempt any one.	10		
A	Explain in detail methods for conservation of Biodiversity with examples.		2	CO1
B	Write in detail structure and function of forest ecosystem.		2	CO1

Q.5	Write short note on any five:	30		
A	Hotspots of Biodiversity		2	CO2
B	Urban Problems related to energy		4	CO3
C	Role of an individual in pollution prevention		2	CO2
D	Ozone layer depletion		4	CO3
E	Disaster management for Landslides		4	CO3
F	Values of biodiversity		2	CO1
G	Food Chain and Food web with Example		2	CO1