



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	Sustainable development means..... a) Meeting present needs without compromising on future needs b) Process of Human beings c) Balance between human needs & ability of earth to provide the resources. d) All of the above		2	CO1
2	Percentage of nitrogen in earth's atmosphere is... a) 12% b) 21% c) 78% d) 98%		2	CO2
3	a) The final stable community in ecological succession is... b) Climax c) Pioneer d) Sare d) Carnivores		2	CO1
4	Conservation within the natural habitat is... a) Ex- situ conservation b) In- situ conservation c) Ex- vivo conservation d) In- vivo conservation		2	CO1
5	What is Kyoto Protocol? a) It is agreement among countries to take steps for reducing Global Warming.		4	CO4

	b) It is agreement among countries to take steps for reducing Acid Rain. c) It is agreement among countries to take steps for reducing planting trees to control pollution. d) It is agreement among countries to start using nuclear energy			
6	Ozone layer is present in.... a) Troposphere b) Mesosphere c) Thermosphere d) Stratosphere		2	CO2
7	Hotspots are regions of high.... a) Rareism b) Endemism c) Diversity d) Critically endangered population		2	CO1
8	The Air pollution (Prevention and control of pollution) act was enacted in year.... a) 1981 b) 1986 c) 1974 d) 1972		4	CO4
9	Pyramid of ----- is always upright. a) Energy b) Biomass c) Forest d) Mass		2	CO1
10	The estimated percentage of the forest land that ideally India should have: a) 50% b) 15% c) 33% d) 44%		2	CO2
11	Which gas is responsible for depletion of ozone layer? a) Chlorofluorocarbon b) Nitrogen c) Oxygen d) Nitrogen Oxide		2	CO2
12	Smog is combination of.... a) Smoke and snow b) Snow and fog c) Smoke and fog d) All the above		2	CO2
13	'World Environmental Day 'is celebrated every year on: a) 5 th May b) 5 th June c) 5 th July		3	CO3

	d) 18 th July			
14	Which state has made it compulsory to harvest rain water for all building? a) Rajasthan b) West Bengal c) Tamilnadu d) Maharashtra		3	CO3
15	An animal that feeds upon another animal is... a) producer b) consumer c) decomposer d) predator		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	The thickness of Ozone layer is measured in..... a) Mm b) Du c) Nm d) Hg		2	CO2
19	What is lotic habitat? a) Standing or still water habitat b) Marine habitat c) Running water habitat d) Stagnant water		2	CO1
20	Bhopal gas tragedy was occurred in the year.. a) 1980 b) 1982 c) 1984 d) 1986		3	CO3
Q.2	Attempt any one.	10		
A	What are natural resources? Give types of natural resources and discuss forest resources as a natural resource.		2	CO1
B	Give salient features of EPA (Environment Protection Act), 1986 of India.		4	CO4
Q.3	Attempt any one.	10		
A	Elaborate "Dams: its benefits and associated problems".		2	CO2
B	Give sources, effects and control of Air pollution		2	CO2

Q.4	Attempt any one.	10		
A	Write need of Public Awareness in Environmental Studies.		4	CO3
B	Discuss the environmental effects of overuse of fertilizers and pesticides		2	CO2
Q.5	Write short note on any five:	30		
A	Rainwater Harvesting		4	CO3
B	Disaster management of flood		2	CO2
C	Urban problems related to water		4	CO3
D	Ecological Succession		2	CO2
E	Ozone layer depletion		4	CO3
F	Food chain and food web with example		2	CO1
G	Values of Biodiversity		2	CO1

*****This is a Question Paper sample Template*****

You are requested to ensure that,

- The title block of the question paper is as per format
- The course name is correctly mentioned with correct course code as per structure available on KITCOEK website
- The name of the examination is correctly mentioned
- The instructions are appropriate and do not violate the present rules
- Question number 1 and 2 based on unit number 1,2 and 3**
- Question number 3 to 6 to based on unit number 4,5 and 6**