

Examination: Even Semester Examination-2023

Paper Code: BCA ES/BSc ES
Maximum Marks: 60

Follow proper numbering for answering the questions.

(Attempt all questions | 20 x 1 = 20)

Attempt all MCQ, Fill in the blank and True/False.

Q. No.	Question	Marks	CO	BL
1.	Which element is considered the largest source of world's commercial energy consumption? A. Coal B. Natural gas C. Oil D. Nuclear	1	CO2	2
2.	The functional aspects of the ecosystem are: A. Energy cycles B. Food chains C. Nutrient cycles D. All of the above	1	CO2	2
3.	Jim Carbet Park is located in: A. Uttar Pradesh B. Uttarakhand C. Tamil Nadu D. Gujarat	1	CO1	1
4.	Plants are also regarded as A. Flora B. Flower C. Fauna D. Botany	1	CO4	2
5.	What are the three R's to save the environment? A. Reduce, Recycle, Reuse B. Reconstruct, Recycle, Reduce C. Replenish, Reduce, Reuse D. Reduce, Recycle, Remove	1	CO3	3
6.	Environment has been classified into four majors parts: 1., 2., 3., 4.	1	CO3	2
7.	Stratospheric ozone has been decreasing because of the buildup of	1	CO4	3
8.	At present, Taj Mahal in Agra is suffering due to andfumes from Mathura refinery.	1	CO1	1
9.	In 1945, two nuclear bombs were dropped in and in Japan.	1	CO1	2
10.	Death Rate Mortality: Number of deaths per People in a population in a given year.	1	CO1	1
11.	<i>The Chipko movement</i> was started by	1	CO1	2
12.	The living component of an ecosystem is called..... component.	1	CO3	1

13.	The energy that comes from natural resources that can be replenished are called.....	1	CO3	3
14.	Pollution is the effect of undesirable changes in our surroundings that have harmful effects on and	1	CO3	1
15	The Dam in the outer Himalayas in Uttarakhand was sanctioned in 1972.	1	CO1	1
16.	Water vapors is the most potent greenhouse gas. (True/False)	1	CO4	2
17.	The primary source of energy on earth is solar energy. (True/False)	1	CO4	1
18.	Acid rain contains HCl. (True/False)	1	CO2	2
19.	Sewage is the greatest volume of waste discharge to water. (True/False)	1	CO1	2
20.	The complex network of interconnected food chains is called a resource. (True/False)	1	CO1	2

Section-B
(Attempt any four questions | 4 x 5 = 20)

Q. No.	Question	Marks	CO	BL
Q1.	Explain Non-renewable energy sources. Explain the significance of petroleum oil.	5	CO1	1
Q2.	Explain the use of biological indicators and bio-sensors in environmental protection.	5	CO2	2
Q3.	What is noise pollution and give its prevention?	5	CO3	3
Q4.	Explain Biotic and Abiotic Components in living system.	5	CO4	3
Q5.	Explain the Bhopal gas tragedy and it's effects on living organisms.	5	CO4	4
Q6.	Explain the concept of population and ecological succession.	5	CO1	4

Section-C
(Attempt any two questions | 2 x 10 = 20)

Q. No.	Question	Marks	CO	BL
Q1.	Explain the use and over-exploitation of the surface water.	10	CO2	4
Q2.	What is environmental pollution? Write the causes and control measures of soil pollution.	10	CO3	2
Q3.	Write the case study on Medha Patkar for Narmada Bachao Andolan.	10	CO5	2
Q4.	Describe methods to create environmental awareness. What are the different approaches to sustainable development?	10	CO4	5

BL – Bloom's Taxonomy Levels (1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6-Creating)