

UG (CBCS) ODD SEMESTER EXAMINATION, 2021
Held in APRIL 2022

COMPUTER SCIENCE
(3RD Semester)

COURSE NO. : MCSC - 301
(Environmental Studies)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

PART - A
(Marks : 1 x 30 = 30)

Write the correct answer :-

1. The "World Environment Day" is observed on :
 - a) 22nd March
 - b) 5th June
 - c) 1st July
 - d) 2nd February
2. Environment comprises of :
 - a) Living entities
 - b) Non-living entities
 - c) Both living & non-living entities
 - d) None of the above
3. The energy flow in an ecosystem is always :
 - a) Multidirectional
 - b) Unidirectional
 - c) Forward
 - d) Backward

(Turn Over)

4. The example of decomposer in an system is :
- a) Algae b) Fungi
c) Mosses d) Lichens
5. The pyramid of biomass in a pond ecosystem is :
- a) Upright b) Invested
c) Sideways d) Straight
6. In a food chain, human are :
- a) Producers b) Consumers
c) Decomposers d) None of the above
7. The following is the building block in plant and animal tissues :
- a) Iron b) Carbon
c) Magnesium d) Copper
8. The final stage in succession is :
- a) Nudation b) Imasion
c) Climax d) None of the above
9. The following is lowest of our atmosphere :
- a) Stratosphere b) Ionosphere
c) Troposphere d) Lithosphere
10. Water is an example of :
- a) Renewable resources b) Non-renewable resources
c) Both of the above d) None of the above

11. In which river is Sardar Sorovar Dam built :
- a) Brahmaputra b) Ganga
c) Hoogly d) Narmada
12. Black lung disease is common to :
- a) Municipality worker b) Industry worker
c) Coal miner d) Oil and gas worker
13. Photovoltaic cells are also known as :
- a) Lithium cells b) Solar cells
c) Alkali cells d) Cathode cells
14. Consumptive use of biodiversity is represented by :
- a) Fodder b) Fuel wood
c) Food d) All of the above
15. Quinine is derived from a plant called :
- a) Indian Snake root b) Periwinkle
c) Yellow cinchona d) Comphor tree
16. The only Dolphin Sanctuary is located in the state of :
- a) Bihar b) Assam
c) West Bengal d) Gujarat
17. A common medicinal plant is :
- a) Teak b) Sal
c) Neem d) All of the above

18. Project Elephant was launched in the year :
 - a) 1983 b) 1973
 - c) 1992 d) 1993
19. Sulphuric acid is an :
 - a) Primary pollutant b) Secondary pollutant
 - c) Organic pollutant d) All the above
20. Smoke coming out of chimney is called :
 - a) Fume b) Misf
 - c) Smog d) Phume
21. The quantity of ozone is measured in :
 - a) Rad unit b) Curie unit
 - c) Dobson unit d) Hertz unit
22. Example of non-point source pollution is :
 - a) Acid rain b) Dump yard
 - c) Industry waste d) None of the above
23. Organic pollutants are also known as :
 - a) Oxygen depleting waste b) Persistent organic pollutants
 - c) Peroxy organic pollutants d) None of the above
24. Loss of top soil increases the :
 - a) Water holding capacity b) Decreases water holding capacity
 - c) Increases water retention d) Increases soil fertility

25. The Environment (Protection) Act in India was enacted in the year :
 - a) 1973 b) 1985
 - c) 1991 d) 1965
26. The Forest (Conservation) Act 1980 was enacted to control :
 - a) Deforestation b) Soil erosion
 - c) Landslide d) Climate change
27. EIA stands for :
 - a) Environment Impact Assessment
 - b) Environment Impact Analysis
 - c) Environment Impact Agency
 - d) None of the above
28. This is a type of rain water harvesting in India :
 - a) Hember b) Chak
 - c) Talab d) All of the above
29. Adequate water and drainage system is a challenge to :
 - a) Rural centers b) Urban centers
 - c) Small towns d) All the above
30. The Bhopal Gas Tragedy occurred due to the accidental release of :
 - a) Hydrogen b) Propane
 - c) Liquid Nitrogen d) Methyl Isocyanate

PART-B

(Marks: 2 x 10 = 20)

Answer the following questions in short :

31. What are the different components of environmental studies?
32. Define ecological succession.
33. What is desert ecosystem?
34. Name two alternative energy sources.
35. Define land-use change.
36. Define ecosystem diversity.
37. Differentiate between ex-situ and in-situ conservation.
38. What is solid waste?
39. Define sustainable development.
40. Name the two articles in the constitution of India where environmental values are stated.

PART-C

(Marks: 10 x 2 = 20)

Answer any two of the following questions :

41. Describe the scope, significance and the need of public awareness in environmental studies.
42. Write a comparative account on the food chain between a terrestrial and an aquatic ecosystem.

43. Describe the causes and challenges arising out of soil erosion and desertification.
44. Explain the use and over exploitation of surface and ground water resources and its consequences.
45. Write an account on the biodiversity hotspots of India.
46. Describe briefly the different threats to biodiversity.
47. Describe the causes, effects and control measures of air pollution.
48. Write the salient features of Forest (Conservation) Act, 1980.
49. Describe the different types of rainwater harvesting systems and their importance.
50. Describe the statement : "Population Explosion and Environment: A Global Challenge."