

37. Give the definition of ex-situ conservation.
38. Define environmental ethics.
39. What are the two main components of an ecosystem? Give an example of each.
40. Write a short note on the effects of climate change.

PART-C

III. Answer any two of the following: 10x2=20

41. Enumerate the scope of environmental studies.
42. Discuss the importance of environmental studies. Suggest some activities to create environmental awareness among public.
43. What do you mean by food chain and food web? Explain energy flow in an ecosystem with diagram?
44. Define ecological pyramid? Elaborate its types with suitable diagram.
45. Briefly discuss the mechanism of ecological succession.
46. Write short notes on any two alternate energy sources.
47. Elaborate the effects of acid rain.
48. Explain the concept of sustainable development with diagram. What are the causes of unsustainability?
49. What are watershed and watershed management planning? Explain the importance of watershed management.
50. Describe the causes of human population explosion.

UG Odd Semester Examination, March, 2023

SOCIAL WORK

(3rd Semester)

Course No.: BSWCC-301
(Environmental Studies)

Full Marks: 70

Pass Marks: 28

Time: 3 hours

The figures in the margin indicate full marks for the questions.

PART-I

I. Choose the Correct answer : 1x30=30

1. Acid rain is a mixture of :
 - (a) Hexane and methane
 - (b) Sulphuric acid and nitric acid
 - (c) Acetic acid and bromine
 - (d) Ascorbic acid and citric acid
2. Which of the following is not an environmental problem?
 - (a) Acid rain
 - (b) Loss of biodiversity
 - (c) Planting of tree
 - (d) Construction of dams
3. Soil erosion can be prevented by
 - (a) Afforestation
 - (b) Removal of vegetation
 - (c) Overgrazing
 - (d) Shifting cultivation
4. Deforestation may reduce the chances of
 - (a) Landslides
 - (b) Soil erosion
 - (c) Rainfall
 - (d) All of the above

5. Which of the following is not a use of forest?
(a) Control floods (b) Control droughts
(c) Soil erosion (d) Timber products
6. An example of ex-situ conservation is
(a) National Park (b) Gene bank
(c) Wetlands (d) All of the above
7. Kaziranga National Park is an example of-
(a) Ex-situ conservation (b) In-situ conservation
(c) Hunting site (d) None of the above
8. ODS stands for -
(a) Ozone Depleting Substances
(b) Ozone Diluting Substances
(c) Oxygen Depleting Substances
(d) Oxygen Diluting Substances
9. The Brundtland Commission Report is called-
(a) Future of the common (b) Common Future
(c) The Future (d) Our Common Future
10. The Wildlife Protection Act, 1972 was amended in-
(a) 2006 (b) 2007
(c) 2008 (d) 2009
11. The Air (prevention and Control of Pollution) Act was enacted in-
(a) 1980 (b) 1981
(c) 1982 (d) 1983
12. The Water (Prevention and Control of Pollution) Act was enacted under-
(a) Article 252 (b) Article 51A
(c) Article 51A (g) (d) Article 48A

- (c) Fog (d) All of the above
27. In a forest ecosystem, bacteria and fungi are generally
(a) Primary consumers (b) Secondary consumers
(c) Decomposers (d) Producers
28. The largest ecosystem in the world is
(a) Oceans (b) Grasslands
(c) Forests (d) Lakes
29. Energy flow in an Ecosystem is
(a) Multidirectional (b) Unidirectional
(c) Cyclic (d) None of the above
30. The objectives of environmental studies is
(a) Raise consciousness about the conditions of the environment
(b) To teach environmentally appropriate behaviour
(c) Create an environmental ethic sensitive society
(d) All of the above

PART-B

- II. Answer the following questions : 2x10=20**
31. Define "Environment" according to Environmental Protection Act, 1986.
32. Enumerate the functions of grassland ecosystem.
33. Every organism is potential food for other organisms. Then who makes food first to get the chain going and what is its source?
34. Define urbanisation.
35. What do you mean by sustainable development?
36. What are natural resources?

- (c) Increase the population of the prey
(d) Balance the population of the prey
20. The acid rain has the capacity to leach___ from the soil.
- (a) Aluminium (b) Copper
(c) Iron (d) Both a and b
21. Which of the following does not cause pollution?
- (a) Hydropower (b) Coal
(c) Petroleum (d) None of the above
22. The Greenhouse effect is
- (a) The increase in oxygen level of the atmosphere
(b) The decrease in surface temperature of the Earth
(c) The increase in surface temperature of the Earth
(d) Both a and b
23. Oxone layer is found in
- (a) Stratosphere (b) Troposphere
(c) Mesosphere (d) Ionsphere
24. Exposure to UV radiation causes
- (a) Eye irritation (b) Sun burnt
(c) Skin cancer (d) All of the above
25. Increase urbanization leads to -
- (a) Socio-economic problems
(b) Reduce pollution
(c) Overcrowding
(d) Both a and c
26. Example of a secondary air pollutant.
- (a) Smoke (b) Smog

13. Environmental Protection is a fundamental duty under-
- (a) Article 252 (b) Article 48A
(c) Article 51A (d) Article 51(A)(g)
15. CPCB stands for-
- (a) Community Pollution Control Board
(b) Country Pollution Control Board
(c) Coastal Pollution Control Board
(d) Central Pollution Control Board
15. Which of the following is not an abiotic component?
- (a) Bacteria (b) Water
(c) Air (d) Temperature
16. Which of the following is a logical sequence?
- (a) Consumer-Decomposers-Producers
(b) Producers-Consumers-Decomposers
(c) Producers-Decomposers-Consumers
(d) Decomposers-Consumers-Producers
17. Which of the following is a primary consumers?
- (a) Euglena (b) Frog
(c) Cow (d) Wolf
18. A herbivore is also known as-
- (a) Producer
(b) Third order consumer
(c) Second order consumer
(d) First order consumer
19. The ecological importance of predators in a community lies in the fact that they help to
- (a) Reduce the population of prey
(b) Break up the population of the prey