SECTION:



Roll							
No.							

PRESIDENCY UNIVERSITY BENGALURU SCHOOL OF INFORMATION SCIENCE

MIDTERM EXAMINATION – APRIL 2023

Semester: Semester - 2021

Course Code: CHE1018

Course Name: Environmental Science

Program : BCA

Date: 17.04.2023 Time: 11:00 AM – 12:00 PM Max Marks: 50 Weightage: 25%

Instructions:

- (i) Read the question properly and answer all the questions accordingly.
- (ii) Complete the test within the time given.

Choose the correct option. Each question carries 0.5 mark.	$(100 \ge 0.5 = 50)$
1. Biogeochemical cycle includes	(CO1, Knowledge)
a) Nutrient cycling through biotic components	
b) Nutrient cycling through abiotic components	
c) Nutrient cycling through biotic and abiotic components	
d) None of the above	
2. The importance of ecosystem lies in	
(a) flow of energy (b) cycling of materials (c) both the above	
3. The source of energy in an ecosystem is	(CO1, Knowledge)
(a) decomposition of animals and plants by bacteria (b) photosyr	nthesis by plants
(c) fermentation by sugar (d) sun light	
4. The first link in any food chain is always a green plant because	_ (CO1, Knowledge)
(a) they are widely distributed (b) they are firmly fixed to soil	
(c) they alone have the capacity to fix atmospheric carbon dioxide in	the presence of sunlight
(d) there are more herbivorous animals than carnivores	
5. Trophic level are formed by	(CO1, Knowledge)
(a) only plants (b) only animals (c) only carnivores (d) organis	sm linked in food chains
6. Biological equilibrium occurs among the	
(a) producers and consumers (b) producers and dec	
(c) producers, consumers and decomposers (d) producers themsel	1
7. A plant, being eaten by a herbivore which in turn is eaten by a carniv	
(CO1, Knowledge)	
(a) food chain (b) food web (c) food net (d) interdependence	

8. If all the green plant where to disappear from the Earth	(CO1, Knowledge)
(a) all the animals will die (b) only herbivores will die	
(c) only carnivores will die (d) it will not matter to any animal	
9. The non-green plants, like fungi, are as important as green plants because	they (CO1, Knowledge)
(a) cause human diseases (b) cause diseases of other plants	
(c) are useful in several industries (d) bring about the decomposition of dead animals and plants remains	
 (d) bring about the decomposition of dead animals and plants remains 10. The pyramid of numbers in grassland ecosystem will be	(CO1, Knowledge)
(a) linear (b) upright (c) irregular (d) inverted 11is the protective blanket of gases, surrounding the earth.	(CO1, Knowledge)
a) Hydrosphere b)Biosphere c)Lithosphere d)Atmosphere	
12. Producers, consumers and decomposers creates	
a) Biogeochemical cycle b)Biological disorder c)Biological equilibriu	
13 deals with the study of ecosystem.a) Ecology b)Biology c)Zoology d)Geology	(CO1, Knowledge)
14. The pyramid of number in an ecosystem	(CO1, Knowledge)
a) Always upright b)Always inverted \overline{c})May be upright or inverted d	
15. The living beings exists in	(CO1, Knowledge)
a) Stratosphere b)Mesosphere c)Troposphere d)Exosphere	× / 0/
16. The plants prepare their own food by using	(CO1, Knowledge)
a) H_2O , CO_2 , Light, and chlorophyll b)Chlorophyll, O_2 , H_2O , and Lig	
b) Light, CO, H ₂ O, and chlorophyll d)CO ₂ , H ₂ O, Air and chlorophyl	
17. Example of quaternary consumer	(CO1, Knowledge)
a) Lion b)Grasshopper c)Snake d)Frog	(001,110,110,80)
18. Secondary consumers derive their energy from	(CO1, Knowledge)
a) Producers b)Herbivores c)Tertiary consumers d)All the above	(• • • • • • • • • • • • • • • • • • •
19. The following is the correct food chain of an aquatic ecosystem	
	(CO1, Knowledge)
a) Phytoplankton \rightarrow Zooplankton \rightarrow Fish \rightarrow Bird \rightarrow Vulture	(001,1110,110ge)
b) Phytoplankton \rightarrow Fish \rightarrow Zooplankton \rightarrow Bird \rightarrow Vulture	
c) Zooplankton \rightarrow Phytoplankton \rightarrow Vulture \rightarrow Fish \rightarrow Bird	
d) Fish \rightarrow Zooplankton \rightarrow Phytoplankton \rightarrow Bird \rightarrow Vulture	
20. Which of the following is TRUE for food chain	(CO1, Knowledge)
a) Energy flow b)Nutrient cycling c)Ecological balance d)All the	above
21 The planktonic forms of plants are	(CO1, Knowledge)
21. The planktonic forms of plants are	(001,1110,1104,000
22 Ecosystem has two components	(CO1, Knowledge)
22. Ecosystem has two components	(COI, Mitwieuge)
(d) vertebrates and non-vertebrates	
23. The organisms at the base of food chain are	(CO1 Knowledge)
(a) herbivores (b) photosynthetic plants (c) saprophytic plants (d)	
24. In abiotic components of an ecosystem which of the following occurs	
24. In about components of an ecosystem which of the following occurs	(CO1, Knowledge)
(a) flow of energy (b) cycling of materials (c) consumption of food	
(d) flow of energy and cycling of material	L
25. The weather changes take place in	(CO1, Knowledge)
(a) Troposphere (b) Stratosphere (c) Mesosphere (d) Thermosphere	
(a) rioposphere (b) sualosphere (c) mesosphere (u) rhennosphere	

26. Organisms of the same trophic level are	(CO1, Knowledge)
a) cheetah and wild boar b)deer and honey bee c)snake and earthwor	
27. There is no difference between the following	(CO1, Knowledge)
(a) trophic level 1 and herbivores b)primary consumers and	
(b) primary consumers and trophic level II d)secondary consumers and	
28. The driving force of the ecosystem is	
(a) carbohydrates in plants b)biomass c)producer d)solar energy	
29. Which of the following is a correct sequence of food chain?	
(a) fallen- leaves- bacteria- insect- larvae- birds b)phytoplankton – zoo	-
(b) grasses-fox-rabbit d)grasses-chamelion-	insects-birds
30 provides more than one alternatives of food to m	
organisms in an ecosystem and thus increases their chances of survival.	· · · · · · · · · · · · · · · · · · ·
a) Food chain b)Food web c)Tropic structure d)Ecological p	oyramid
31. Producers in an aquatic environment are	(CO1, Knowledge)
a) Carnivores b)Herbivores c)Zooplanktons d)Phytoplankton	
32 is known as ionosphere	
a) Stratosphere b)Mesosphere c)Thermosphere d)Exosphere	
33. Which is called as autotrophs	(CO1, Knowledge)
a) Producers b)Consumers c)Decomposer d)All the above	(COI, Miowicuge)
	(CO1 Knowladge)
34. The uppermost layer of the atmosphere is	(COI, Kliowledge)
a) Stratosphere b)Mesosphere c)Troposphere d)Exosphere	
35. In a food chain, the energy flow is (CO1,	Knowledge)
a) Always unidirectional b)Always bidirectional	
b) Always multidirectional d)Unidirectional or multidirectional	
36. Radio waves transmitted by earth are reflected back in	sphere
	(CO1, Knowledge)
a) Stratosphere b)Mesosphere c)Thermosphere d)Exosphere	
37. In an upright pyramid of biomass, the tertiary consumer occupy the posit	ion
	(CO1, Knowledge)
a) 4 b)3 c)2 d)1	(• • • • • • • • • • • • • • • • • • •
38. Human alter the carbon cycle by adding excess CO_2 to the atmosphere the	rough
50. Human after the earbon eyele by adding excess e0 ₂ to the atmosphere th	(CO1, Knowledge)
a) Burning fossil fuels b)Using more number o	foutomobiles
a) Burning fossil fuels b)Using more number o	1 automobiles
b) clearing vegetation faster than it is replaced d)All the above	
39. Select the correct water cycle process	(CO1, Knowledge)
a) Condensation, evaporation, runoff, precipitation, infiltration	
b) Evaporation, condensation, precipitation, infiltration, runoff	
c) Evaporation, infiltration, runoff, precipitation, condensation	
d) Precipitation, infiltration, Evaporation, runoff, condensation	
40. The shape of pyramid of energy in the grassland and ocean ecosystem is	
	(CO1, Knowledge)
(a) Inverted b)upright c)inverted and upright d)rhomboidal	(COI, Miowieuge)
	(CO1 Vnordodae)
0 0	(CO1, Knowledge)
(a) Biome b)biotrophy c)biosphere d)biodata	
42. In a food chain, the total amount of living material is depicted by	
	(CO1, Knowledge)
(a) pyramid of energy b)pyramid of numbers c)pyramid of biomass	d)all the above
	ujun me above
	/
43. The treeless biome includes(a) deserts b)grassland c)tundra d)all of these	(CO1, Knowledge)

44. The correct sequence of food chain is	(CO1, Knowledge)
(a) bacteria- grass- rabbit- wolf b)grass- snake- insect- deer	()
(b) grass- wolf- deer- buffalo d)grass- insect- birds -snake	
45. Producers in an aquatic environment are	(CO1, Knowledge)
(a) carnivores b)herbivores c)zooplanktons d)phytoplanktons	
46. The transfer of energy from organism to organism in a natural communi	ty establishes
	(CO1, Knowledge)
(a) food chain b)biological control c)natural barriers d)all of these	
47. Ecological pyramid is occupied by	(CO1, Knowledge)
(a) herbivores b)carnivores c)produces d)all of the above	
48. Falling stars are found insphere	(CO1, Knowledge)
(a) Stratosphere b)Mesosphere c)Troposphere d)Exosphere	
49. The snakes are included under	(CO1, Knowledge)
(a) Saprophytes b)primary consumer c)secondary trophic level d)nor	ne of these
50. Transpiration is the	(CO1, Knowledge)
(a) Evaporation from sea surface b)Evaporation from pond surface	
(b) Evaporation from river surface d)Evaporation from surface of leave	es of plants
51. Which of the following is NOT TRUE on the objectives of environment	
UNESCO (1971)?	(CO1, Knowledge)
(a) Creating the awareness about environmental problems among people	e
(b) Imparting basic knowledge about the environment and its allied prob	olems
(c) Developing an attitude of concern for the environment	
(d) Manipulating public to participate in environmental protection	
52. The purpose of studying environmental ethics is to overcome	_(CO1, Knowledge)
(a) environment damage produce by the present generation	
(u) environment dumage produce by the present generation	
(b) What acts must be give up to slow such damage?	
(b) What acts must be give up to slow such damage?	ince?
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala 	(CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric point 	(CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found in km range 	(CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric point 	(CO1, Knowledge) ower generation (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found in km range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere (b) Complete the com	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found in km range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric period 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna (b) Lithosphere and hydrosphere 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric points found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna b)Environment and Ecosystem (b) Lithosphere and hydrosphere d)Biosphere and humans 57. Which of the following is not a terrestrial ecosystem? (a) Forest b)Grassland c)Lake d)Desert 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric post. (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric post. 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna b)Environment and Ecosystem (b) Lithosphere and hydrosphere d)Biosphere and humans 57. Which of the following is not a terrestrial ecosystem? a) Forest b)Grassland c)Lake d)Desert 58. The coldest sphere in the atmosphere is 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric period 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna b)Environment and Ecosystem (b) Lithosphere and hydrosphere d)Biosphere and humans 57. Which of the following is not a terrestrial ecosystem? a) Forest b)Grassland c)Lake d)Desert 58. The coldest sphere in the atmosphere is a) Stratosphere b)Mesosphere c)Thermosphere d)Exosphere 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric period 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna b)Environment and Ecosystem (b) Lithosphere and hydrosphere d)Biosphere and humans 57. Which of the following is not a terrestrial ecosystem? a) Forest b)Grassland c)Lake d)Desert 58. The coldest sphere in the atmosphere is a) Stratosphere b)Mesosphere c)Thermosphere d)Exosphere 	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric po 54. Ozone is found inkm range a) 8-15 km b) 20-30 km c) 30-50 km d) 50-80 km 55. Troposphere is also called as	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric portion of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric portion is found inkm range (b) A = 15 km b) 20-30 km c) 30-50 km d) 50-80 km (c) Ozonosphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere (b) Lithosphere and Fauna b)Environment and Ecosystem (c) Differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestriation of the	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric period (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric period 54. Ozone is found inkm range (a) 8-15 km (b) 20-30 km (c) 30-50 km (c) 50-80 km 55. Troposphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere 56. Ecology is concerned with the general principles that apply to both (a) Flora and Fauna b)Environment and Ecosystem (b) Lithosphere and hydrosphere d)Biosphere and humans 57. Which of the following is not a terrestrial ecosystem? (a) Forest b)Grassland c)Lake d)Desert 58. The coldest sphere in the atmosphere is (a) Stratosphere b)Mesosphere c)Thermosphere d)Exosphere 59. Which of the following is NOT an ecosystem? (a) Desert b)Forest c)Ionosphere d)Salt water lake 60. The layer of earth where life is found in (a) biosphere b)Stratosphere c)mesosphere d)exosphere 	(CO1, Knowledge) wer generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge)
 (b) What acts must be give up to slow such damage? (c) Only a d)Both a and b 53. In which of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric portion of the following there will be no disturbance in the natural bala (a) Reservoir b)Cropland ecosystem c)Tundra d)Hydroelectric portion is found inkm range (b) A = 15 km b) 20-30 km c) 30-50 km d) 50-80 km (c) Ozonosphere is also called as (a) Ozonosphere b)Ionosphere c)Changing sphere d)Thermosphere (b) Lithosphere and Fauna b)Environment and Ecosystem (c) Differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestrial ecosystem? (c) A = 100 km c) Complete is also called a differentiation of the following is not a terrestriation of the	(CO1, Knowledge) ower generation (CO1, Knowledge) (CO1, Knowledge) re and (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge) (CO1, Knowledge)

62. All water sources and water bodies are found ina) Lithosphere b)Hydrosphere c)Stratosphere d)Biosphere	(CO1, Knowledge)
63. A grass land has a biomass of roughly 1,000,000 calories of energy. Abc of energy will be available for the lion for the following food chain?	out how many calories
Grass→ Deer→ Lion a) 10,000 b)1000 c)100,000 d)1,000,000	(CO1, Knowledge)
64. What happens if a portion of food chain is broken?a) Only consumers would be affected.b)All the organisms in the b) The decomposers and producers are affected d)No change	(CO1, Knowledge) he chain are affected.
65 is located between 80 to 400 km above the mesosphere. a) Troposphere b)Stratosphere c)Thermosphere d)Exosphere	(CO1, Knowledge)
66. Outer mantle of solid earth isa) Biosphere b)Lithosphere c)Cryosphere d)Hydrosphere	(CO1, Knowledge)
67. Which of the following is maintained by a human?a) Grasslands b)Cropland c)Forests d)Streams69. The magnitude of each sector o	(CO1, Knowledge)
 68. Thermosphere consists of onlyparticles. a) Ionic b)Non-ionic c)Neutral d)All the above 69. Water source running water like spring, stream, or rivers are referred to a 	(CO1, Knowledge)
a) Lotic Ecosystem b)Lentic Ecosystem c)Fresh water ecosystem	(CO1, Knowledge)
b) Salt water ecosystem70. Which of the following food chain produces greater available energy for	man? (CO1, Knowledge)
 a) Phytoplanktons →small fish→large fish→birds→man b) Green plant→rabbit→man c) Green plant→small insect→frog→big fish →man 	
 d) Green plant→man 71. What will happen if decomposers are removed from the ecosystem? a) Producers can produce food b) Nutrient recycle is stopped c) Consumers cannot absorb solar energy 	(CO1, Knowledge)
 d) Rate of decomposition of mineral increases 72. Spraying of insecticides, led to the deaths of cats and spreading of plague of rat population. This incident represents the: a) Interconnectedness between the different components of an ecosystem b) Significance of food chain c) Both (a) and (b) 	(CO1, Knowledge)
 d) Neither (a) nor (b) 73. Which of the following statement is correct? a) An ecosystem is a functional unit of nature and comprises abiotic comb) Abiotic components are biological elements. 	(CO1, Knowledge) mponents.
 c) Biotic components are producers, consumers and decomposers. d) Energy flow is multidirectional. 74. Burning of fossil fuels affects	(CO1, Knowledge) ele (CO1, Knowledge)

76. Which of the following states the difference between food chain and foo	od webs?
	(CO1, Knowledge)
a) food webs provide more than one option of food for a species.	
b) food webs represent the complex interaction among food chains.	
c) food chains are single sequence of who eats whom in a community.	
d) Both (a) and (b)	
77. The system resulting from the interaction of all the living and non-living	
environment is called	(CO1, Knowledge)
a) Ecology b)Ecosystem c)Environmental Science d)All of the abo	
78. Pyramid of biomass represents	(CO1, Knowledge)
a) Amount of matter lost between each trophic level	
b) Number of species at different trophic level	
c) Energy associated with different trophic level	
d) None of the above	
79. Which of these do not alter the water cycle?	(CO1, Knowledge)
a) Clearing the vegetation	
b) Withdrawing excess of ground water	
c) Polluting the water	
d) Depletion of ozone layer	
80 is defined as the study of interrelationship of different organ	
and with their environment.	(CO1, Knowledge)
a) Ecology b)Ecosystem c)Environment d)All of the above	11
81. An ecosystem consists of the community that occurs in some loo	
and chemical factors that make up its non-living or abiotic environment.	(COI, Knowledge)
a) Biosphere b)Biological c)Biochemical d)Chemical	(CO1 Vrordodae)
82. Wild fire will disturbs	(CO1, Knowledge)
a) Phosphorus cycle b)Nitrogen cycle c)Carbon cycle d)Sulphur cy	
83. Which of these processes do not belong to water cycle?	(CO1, Knowledge)
a) Transpiration b)Evaporation c)Sublimation d)Precipitation 84. Which of these do not affect the carbon cycle?	(CO1, Knowledge)
a) Burning of excess of fossil fuels	(COI, Knowledge)
b) Clearing vegetation	
c) Carbon emission by industrial establishments	
d) Polluting the water	
85. Which of these is true in the case of pyramid of numbers?	(CO1, Knowledge)
a) Autotrophic level is much larger than higher trophic levels	(COI, Knowledge)
b) Saprotrophic level is much larger than other trophic levels	
c) Heterotrophic level is much larger than other trophic levels	
d) None of the above	
86. Unit not used in the pyramid of biomass	(CO1, Knowledge)
a) Pounds b)Kg c)Grams d)Litre	(COI, Knowledge)
87. Why Troposphere is also called Changing sphere?	(CO1, Knowledge)
a) The air remains static in this layer	(COI, Miowicuge)
b) The air never remains static in this layer	
c) The cloud never remains static in this layer	
d) The water never remains static in this layer	
88. Space, landforms and water bodies are related to which type of elements	s of environment?
	(CO1, Knowledge)
a) Physical elements b)Biological elements c)Cultural elements d)No	

a) Physical elements b)Biological elements c)Cultural elements d)None of the above

89. Which of the following is a food chain? (CO	01, Knowledge)
a) Egg \rightarrow Hatchling \rightarrow Chick \rightarrow Hen b)Egg \rightarrow Larva \rightarrow Pupa \rightarrow B	Butterfly
b) Eggplant leaves \rightarrow Larva \rightarrow Bird \rightarrow Snake d)Egg \rightarrow Tadpoles \rightarrow Toadle	
90. What are the two basic categories of an ecosystem? (CO	01, Knowledge)
a) Aquatic and terrestrial b)Aquatic and forest c)Ponds and lakes d)Rive	rs and forests
91. The word Ecology is a word. (CO	01, Knowledge)
a) French b)Greek c)English d)German	
92. Which process is responsible for the formation of water vapor? (CC	01, Knowledge)
a) Evaporation b)Transpiration c)Condensation d)Both (a) and (b)	
93. A factory located on the bank of a river releases its effluent into the river. Wh	ich of the
following process will be affected by this incident? (CC	01, Knowledge)
a) Carbon cycle b)Water cycle c)Both (a) and (b) d)Niether (a) nor (b)	
94. Where can be the microorganisms placed in any food chain? (CO)	l, Knowledge)
(a) At the starting of the food chain	
(b) At the end of the food chain	
(c) In the middle of the food chain	
(d) Anywhere	
	01, Knowledge)
Wheat \rightarrow Mouse \rightarrow ? \rightarrow Eagle	
a) Earthworm b)Rabbit c)Frog d)Snake	
96. Which of the following statement is true for the given group of animals? Rat,	Bear, Hen
(CC)	01, Knowledge)
a) They are mammals	
b) They are omnivores	
c) They are carnivores	
d) None of these	
97. Which among the following are the scope of Environmental Studies? (CO	01, Knowledge)
a) Conservation and management of natural resources	
b) Conservation of biodiversities	
c) Control of environmental pollutions	
d) All the above	
	01, Knowledge)
a) Evaporation b)Condensation c)Precipitation d)Transpiration	
	01, Knowledge)
a) Stratosphere	
b) Mesosphere	
c) Troposphere	
d) Exosphere	
100. Statement P: Natural things can be living or non-living. Statement Q: Living	
	01, Knowledge)
a) Both statements P and Q are correct	
b) Statement P is correct and Q is incorrect	

- c) Statements P and Q are falsed) Statement P is incorrect and Q is correct