|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Roll No. |  |  |  |  |  |  |  |  |  |  |  |  |  |

**SeCTION:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**

**SET - A Presidency University**

**Bengaluru**

**SCHOOL OF ENGINEERING / school of information science**

**MIDTERM EXAMINATION – MAY 2023**

**Date**: 18-MAY-2023

**Time**: 10:30 AM – 12:00 PM

**Max Marks**: 50

**Weightage**: 25%

**Course Code**: CHE1018

**Course Name**: Environmental Science

**Program & Sem**: All Programs

**Instructions:**

1. *Read the question properly and answer all the questions accordingly.*
2. *Complete the test within the time given.*

**Choose the correct option. Each question carries 0.5 mark. (100 x 0.5 = 50)**

1. The other name of decomposer is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Autotroph
2. Heterotroph
3. Detrivore
4. Saphrotroph

2. A.G. Tansley coined the term \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Ecology
2. Ecosystem
3. Environment
4. None of the above

3. \_\_\_\_\_\_\_ perform an invaluable service in the ecosystem by decomposing the organic matter and make it available for reuse. **(CO1, Knowledge)**

1. Omnivores
2. Producers
3. Decomposers
4. All the above

4. The upper part of an aquatic ecosystem contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Benthos
2. Plankton
3. Nekton
4. Both a and b

5. Examples of omnivores\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Elephant and Camel
2. Frog and small bird
3. Fox and Lion
4. Man and Rat

6. Earnest Haeckel introduced the term \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Ecology
2. Ecosystem
3. Environment
4. None of the above

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ depends on the green plants of earth for survival. **(CO1, Knowledge)**

1. all the animals
2. only herbivores
3. only carnivores
4. none

8. Meteors occurs in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Troposphere
4. Exosphere

9. The recycling of elements in an ecosystem is called\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. chemical cycle
2. geological cycle
3. biogeochemical cycle
4. geochemical cycle

10. The region of earth, where water exists is known a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Hydrosphere
2. Biosphere
3. Lithosphere
4. Atmosphere

11. \_\_\_\_\_\_\_\_\_\_is the protective blanket of gases, surrounding the earth. **(CO1, Knowledge)**

1. Hydrosphere
2. Biosphere
3. Lithosphere
4. Atmosphere

12. Producers, consumers and decomposers creates\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Biogeochemical cycle
2. Biological disorder
3. Biological equilibrium
4. All the above

13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ deals with the study of ecosystem. **(CO1, Knowledge)**

1. Ecology
2. Biology
3. Zoology
4. Geology

14. The pyramid of number in an ecosystem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Always upright
2. Always inverted
3. May be upright or inverted
4. None of the above

15. The living beings exists in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Troposphere
4. Exosphere

16. The plants prepare their own food by using \_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. H2O, CO2, Light, and chlorophyll
2. Chlorophyll, O2, H2O, and Light
3. Light, CO, H2O, and chlorophyll
4. CO2, H2O, Air and chlorophyll

17. Example of quaternary consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Lion
2. Grasshopper
3. Snake
4. Frog

18. Secondary consumers derive their energy from\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Producers
2. Herbivores
3. Tertiary consumers
4. All the above

19. The following is the correct food chain of an aquatic ecosystem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Phytoplankton → Zooplankton →Fish →Bird → Vulture
2. Phytoplankton→ Fish→ Zooplankton → Bird→ Vulture
3. Zooplankton→ Phytoplankton→ Vulture→ Fish → Bird
4. Fish→ Zooplankton→ Phytoplankton→ Bird →Vulture

20. Which of the following is TRUE for food chain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Energy flow
2. Nutrient cycling
3. Ecological balance
4. All the above

21. The organic nutrients of dead plants and animals are converted into inorganic substances by microbes which are absorbed by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Autotrophs
2. Heterotrophs
3. Saphrotrophs
4. All the above

22. Dobson units is related to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Troposphere
4. Exosphere

23. Ecosystem is smallest unit of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Biosphere
2. Lithosphere
3. Ionosphere
4. Mesosphere

24. The non-green plants, like \_\_\_\_\_\_\_\_, are as important as green plants because they bring about the decomposition of dead animals and plants remains. **(CO1, Knowledge)**

1. Yeast
2. Mushrooms
3. Moulds
4. All the above

25. Which one of the following in NOT TRUE for decomposer \_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. They recycle organic matter in ecosystems
2. They break down complex organic material to simpler inorganic compounds
3. Millipedes, earthworms, and termites are the example of decomposers
4. They consumes dead part of plant and animal

26. Carnivores are at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_trophic level **(CO1, Knowledge)**

1. 1st
2. 2nd
3. 3rd
4. All the above

27. The organisms at the apex of food chain are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. herbivores
2. photosynthetic plants
3. saprophytic plants
4. carnivores

28. The major matters that are recycled through the biotic and abiotic components of the ecosystem \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Carbon, Water, Nitrogen, Oxygen, Phosphorus, Selenium
2. Carbon, Chlorine, Nitrogen, Oxygen, Phosphorus, Sulphur
3. Carbon, Helium, Neon, Ozone, Sulphur, Phosphorus
4. Carbon, Sulphur, Copper, Sodium, Oxygen, Fluorine

29. The driving force of the ecosystem is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. carbohydrates in plants
2. biomass
3. producer
4. solar energy

30. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ provides more than one alternatives of food to most of the organisms in an ecosystem and thus increases their chances of survival. **(CO1, Knowledge)**

1. Food chain
2. Food web
3. Tropic structure
4. Ecological pyramid

31. Producers in an aquatic environment are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Carnivores
2. Herbivores
3. Zooplanktons
4. Phytoplanktons

32. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is known as ionosphere **(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Thermosphere
4. Exosphere

33. Which is called as autotrophs\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Producers
2. Consumers
3. Decomposer
4. All the above

34. The uppermost layer of the atmosphere is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Troposphere
4. Exosphere

35. In a food chain, the energy flow is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Always unidirectional
2. Always bidirectional
3. Always multidirectional
4. Unidirectional or multidirectional

36. Radio waves transmitted by earth are reflected back in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_sphere

**(CO1, Knowledge)**

1. Stratosphere
2. Mesosphere
3. Thermosphere
4. Exosphere

37. In an upright pyramid of biomass, the tertiary consumer occupy the position \_\_\_\_\_\_\_\_\_

**(CO1, Knowledge)**

1. 4
2. 3
3. 2
4. 1

38. Human alter the carbon cycle by adding excess CO2 to the atmosphere through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Burning fossil fuels
2. Using more number of automobiles
3. clearing vegetation faster than it is replaced
4. All the above

39. Select the correct water cycle process. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Condensation, evaporation, runoff, precipitation, infiltration
2. Evaporation, condensation, precipitation, infiltration, runoff
3. Evaporation, infiltration, runoff, precipitation, condensation
4. Precipitation, infiltration, Evaporation, runoff, condensation

40. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a graphical representation of the numbers of individuals in each population in a food chain. **(CO1, Knowledge)**

1. Pyramid of numbers
2. Pyramid of biomass
3. Pyramid of energy
4. Food web

41. Select the right edaphic factor. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Rain
2. Water
3. Minerals
4. Light

42. Economy is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_elements of environment. **(CO1, Knowledge)**

1. Physical
2. Biological
3. Cultural
4. None of the above

43. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a lentic ecosystem. **(CO1, Knowledge)**

1. Lake
2. River
3. Forest
4. Ocean

44. Producers are important to carbon cycle because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. They remove carbon dioxide from the atmosphere
2. They add carbon dioxide to the atmosphere
3. They add or remove carbon dioxide back to/from the atmosphere
4. They absorbs sunlight

45. Which of the following is NOT TRUE for quaternary consumers?\_\_\_\_\_ **(CO1, Knowledge)**

1. They are largest carnivores
2. They feed on tertiary consumers
3. They are eaten by any animals
4. None of the above

46. A food chain starts with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

* 1. Nitrogen fixing organisms
  2. Photosynthetic organisms
  3. Saphrophytic organisms
  4. Detritus organism

47. In a food chain, each successive trophic level has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Increased total energy
2. Decreased total energy content
3. Same total energy content
4. Non estimated energy content

48. At the producer level, if 104 J of energy is trapped, then how much energy will be available to a insects as food in the following food chain? Plant→ Insects→ Mice→ Snake

**(CO1, Knowledge)**

1. 10 J
2. 100 J
3. 1000 J
4. 10000 J

49. There are several types of heterotrophs. Which of the following is not one of them?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Consumers
2. Hervivores
3. Omnivores
4. Carnivores

50. Transpiration is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Evaporation from sea surface
2. Evaporation from pond surface
3. Evaporation from river surface
4. Evaporation from surface of leaves of plants

51. In an upright pyramid of biomass, the herbivores occupy the position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**(CO1, Knowledge)**

(a) 4 (b) 2 (c) 3 (d) 1

52. One of the UNESCO defined objectives of Environmental Studies is to acquire skills to help the concerned individuals in \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ environmental problems.

**(CO1, Knowledge)**

1. Identifying, solving
2. Manupulating, identifying
3. Creating, solving
4. None of the above

53. \_\_\_\_\_\_\_\_layers are there in the environment **(CO1, Knowledge)**

a. 2 b. 4 c. 5 d. 3

54. The importance of environmental studies is to use \_\_\_\_\_\_\_\_\_\_\_ more efficiently

**(CO1, Knowledge)**

1. natural resources
2. energy
3. food
4. none of the above

55. The moral relationship of human beings to and the value and moral status of the environment and its nonhuman content is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Environmental ethics
2. Environmental law
3. Environmental philosophy
4. Environmental relationship

56. The word ecology is derived from Greek words \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Ecos and logos
2. Oikos and logos
3. Oikos and logy
4. None of the above

57. Crop land ecosystem is an example of \_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Artificial ecosystem
2. Natural Ecosystem
3. Both Artificial and Natural Ecosystems
4. None of these

58. \_\_\_\_\_\_\_\_\_\_\_\_\_is found in stratosphere **(CO1, Knowledge)**

1. Meteors b) only gases c) ozone d) stones and rocks

59. The density of air is very less in \_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Troposphere
2. stratosphere
3. mesosphere
4. exosphere

60. The layer of earth where life is found in \_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. biosphere
2. stratosphere
3. mesosphere
4. exosphere

61. Which of the following is not an aquatic ecosystem? **(CO1, Knowledge)**

1. River
2. Grassland
3. Lake
4. Ocean

62. All water sources and water bodies are found in\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Lithosphere
2. Hydrosphere
3. Stratosphere
4. Biosphere

63. A grass land has a biomass of roughly 1,000,000 calories of energy. About how many calories of energy will be available for the lion for the following food chain?

Grass→ Deer→ Lion **(CO1, Knowledge)**

1. 10,000
2. 1000
3. 100,000
4. 1,000,000

64. What happens if a portion of food chain is broken? **(CO1, Knowledge)**

1. Only consumers would be affected.
2. All the organisms in the chain are affected.
3. The decomposers and producers are affected.
4. No change

65. \_\_\_\_\_\_\_\_\_\_ is located between 80 to 400 km above the mesosphere. **(CO1, Knowledge)**

1. Troposphere
2. Stratosphere
3. Thermosphere
4. Exosphere

66. Outer mantle of solid earth is \_\_\_\_\_\_\_\_\_. **(CO1, Knowledge)**

1. Biosphere
2. Lithosphere
3. Cryosphere
4. Hydrosphere

67. Which of the following is maintained by a human? **(CO1, Knowledge)**

1. Grasslands
2. Cropland
3. Forests
4. Streams

68. Thermosphere consists of only \_\_\_\_\_\_\_\_\_\_particles. **(CO1, Knowledge)**

1. Ionic
2. Non-ionic
3. Neutral
4. All the above

69. Water source running water like spring, stream, or rivers are referred to as \_\_\_\_\_\_\_\_\_\_\_.

**(CO1, Knowledge)**

1. Lotic Ecosystem
2. Lentic Ecosystem
3. Fresh water ecosystem
4. Salt water ecosystem

70. Which of the following describes the process of photosynthesis? **(CO1, Knowledge)**

1. Light + carbon dioxide + water → Glucose + Oxygen
2. Light + carbon dioxide + Glucose → Water + Oxygen
3. Light + Oxygen + water → Carbon dioxide + Glucose
4. Light + Oxygen + Sugar → Water + Carbon dioxide

71. Which of the following is the source of carbon to plants? **(CO1, Knowledge)**

1. Atmospheric CO2
2. CO2 of carbonate rocks
3. Fossils
4. All the above

72. The largest ecosystem to the world is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **(CO1, Knowledge)**

1. Forests
2. Grasslands
3. Great lakes
4. Oceans

73. Choose the incorrect statements regarding ecological pyramids. **(CO1, Knowledge)**

1. The relationship between organisms at different trophic levels is expressed in terms of number, biomass and energy.
2. In most ecosystems, all the pyramids of number are biomass are upright.
3. The pyramid of number in forest is generally upright.
4. Pyramid of energy is always inverted and can never be upright.

74. Which of the following ecological pyramid is never inverted? **(CO1, Knowledge)**

1. Pyramid of number in forest ecosystem.
2. Pyramid of biomass in pond ecosystem.
3. Pyramid of energy in parasitic food chain.
4. Pyramid of biomass in parasitic food chain.

75. In biogeochemical cycles, elements pass through\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **(CO1, Knowledge)**

1. Livings
2. Livings and non-livings
3. From non-living to living and living to non-living
4. None of the above

76. Plant: Producer:: Animal : \_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Consumer
2. Producer
3. Decomposer
4. Jungle

77. Which of the following is not a type of organism in the food chain? **(CO1, Knowledge)**

1. Producer
2. Consumer
3. Survivor
4. Decomposer

78. What is an ecosystem? **(CO1, Knowledge)**

1. The pattern of weather that affects a particular area.
2. The life cycle of a plant from seed to flower.
3. All living things in a particular environment, like a forest or a desert.
4. A community of animals and plants that interact with their environment.

79. Role of bacteria in carbon cycle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Photosynthesis
2. Chemosynthesis
3. Breakdown of complex organic compounds
4. Assimilation of nitrogen compounds

80. \_\_\_\_\_\_\_\_\_ is defined as the study of interrelationship of different organisms with each other and with their environment. **(CO1, Knowledge)**

1. Ecology
2. Ecosystem
3. Environment
4. All of the above

81. An ecosystem consists of the \_\_\_\_\_\_ community that occurs in some locale, and the physical and chemical factors that make up its non-living or abiotic environment. **(CO1, Knowledge)**

1. Biosphere
2. Biological
3. Biochemical
4. Chemical

82. Wild fire will disturbs\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Phosphorus cycle
2. Nitrogen cycle
3. Carbon cycle
4. Sulphur cycle

83. Which of these processes do not belong to water cycle? **(CO1, Knowledge)**

1. Transpiration
2. Evaporation
3. Sublimation
4. Precipitation

84. Which of these do not affect the carbon cycle? **(CO1, Knowledge)**

1. Burning of excess of fossil fuels
2. Clearing vegetation
3. Carbon emission by industrial establishments
4. Polluting the water

85. Which of these is true in the case of pyramid of numbers? **(CO1, Knowledge)**

1. Autotrophic level is much larger than higher trophic levels
2. Saprotrophic level is much larger than other trophic levels
3. Heterotrophic level is much larger than other trophic levels
4. None of the above

86. Unit not used in the pyramid of biomass\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Pounds
2. Kg
3. Grams
4. Litre

87. Why Troposphere is also called Changing sphere? **(CO1, Knowledge)**

1. The air remains static in this layer
2. The air never remains static in this layer
3. The cloud never remains static in this layer
4. The water never remains static in this layer

88. Space, landforms and water bodies are related to which type of elements of environment?

**(CO1, Knowledge)**

1. Physical elements
2. Biological elements
3. Cultural elements
4. None of the above

89. Which of the following is a food chain? **(CO1, Knowledge)**

1. Egg 🡪 Hatchling 🡪 Chick 🡪 Hen
2. Egg 🡪 Larva 🡪 Pupa 🡪 Butterfly
3. Eggplant leaves 🡪 Larva 🡪 Bird 🡪 Snake
4. Egg 🡪 Tadpoles 🡪 Toadlets 🡪 Frog

90. In a food chain, the total amount of living material is depicted by\_\_\_\_\_\_\_**(CO1, Knowledge)**

1. Pyramid of biomass
2. Pyramid of energy
3. Pyramid of number
4. Trophic levels

91. We refer to the following as the food chain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Large number of animals near a source of food
2. Transfer of food energy from the green plants through a series of consumer organisms
3. Large number of human beings forming a human chain near a source of food
4. None of these

92. In an ecosystem, there are more prey than predators. This statement can be represented by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **(CO1, Knowledge)**

1. Pyramid of energy
2. Predator–prey relationship
3. Pyramid of number
4. Succession

93. The term ‘Environment’ is derived from \_\_\_\_\_\_\_\_ word. **(CO1, Knowledge)**

1. French
2. Greek
3. English
4. German

94. In the given food chain which animal is wrongly placed? **(CO1, Knowledge)**

Plants 🡪 Fish 🡪 Eagle 🡪 Snail

1. Plants
2. Fish
3. Eagle
4. Snail

95. The nearest layer of air to the earth surface is \_\_\_\_\_\_\_\_\_\_ **(CO1, Knowledge)**

1. Troposphere
2. Stratosphere
3. Mesosphere
4. Thermosphere

96. Decomposition of materials by microorganism is known as \_\_\_\_\_\_\_\_\_\_\_**(CO1, Knowledge)**

1. Biodegradation
2. Deactivation
3. Detoxification
4. Dilapidation

98. Which of these is an omnivore? **(CO1, Knowledge)**

1. A cat that eats mice
2. A cow that eats grass
3. A frog that eats insects
4. A sparrow that eats grains and insects

99. Which statement best describes a consumer? **(CO1, Knowledge)**

1. A mammal with four legs
2. An organism that eats other organisms for food
3. An egg laying animal
4. An animal killed by other animal for food

100. Where can be the microorganisms placed in any food chain? **(CO1, Knowledge)**

1. At the starting of the food chain
2. At the end of the food chain
3. In the middle of the food chain
4. Anywhere