

KATHMANDU UNIVERSITY
End Semester Examination
July/August 2024

Marks Scored:

Level : B.Sc.

Year : II

Exam Roll No. :

Time: 30 mins.

Registration No.:

Course : ENVS 201

Semester : I

F. M. : 20

Date

15 JUL 2024

SECTION "A"

[20Q. × 0.5 = 10 marks]

Choose and mark [X] encircle the most appropriate option from each set of choices

1. Saturated or unsaturated, branched or straight chained criteria pollutant.
 Hydrocarbons N₂O CH₄ Carbon dioxide
2. An age-specific summary of the survival pattern of a population.
 Life table Survivorship curve
 Population Demography
3. The biome where fauna is generally arboreal (tree dwelling).
 Tundra Desert Wetlands Tropical rainforest
4. Species are relocating to areas with more tolerable climate conditions.
 Range shifts Stress Predation Disease
5. The biome is too cold for trees to survive and dominated by dense, low height plant cover.
 Wetlands Temperate Tundra Boreal
6. Which one is an example of organophosphates
 DDT Lindane Malathion TDT
7. The sun spots varies from _____ spots.
 5-6 to 100 9-10 to 110 10-11 to 100 1-2 to 100
8. The highest level of organization
 Atmosphere Pedosphere Biosphere Thermosphere
9. Biogas is composed of _____ methane.
 25 % to 50% 1% to 2% 50% to 75% 5% to 10%
10. Dimethoate is an example of.
 Organophosphates Organochlorines
 Chlorinated hydrocarbons None
11. Use of DDT in lemon resulted an outbreak of a _____ insects.
 Scale Green Large Small
12. Break down organic wastes and dead organisms to simpler substances
 Producer Secondary consumer
 Primary consumer Decomposers

13. Movement of individuals out of a population.
 Immigration Emigration Migration-in Migration-out
14. Tropic levels in a food chain
 Producers Snakes Rats All of them
15. Evolution of agriculture started at
 10 to 12 millennia B.P. 6 to 8 millennia B.P.
 5 to 8 millennia B.P. 10 to 14 millennia B.P.
16. An interbreeding group of individuals of a single species that occupy the same general area
 Population Community Ecosystem Biome
17. Molten heavy metals in lithosphere is
 Inner core Outer core Mantle Crust
18. Foot fungus on human is an example of
 Mutualism Parasitism
 Commensalism None of the above
19. Number of individuals per quadrat of occurrence is
 Abundance Occurrence Density Frequency
20. Nasal cavity allows particles to oral cavity that has size.
 < 7-10 > 7-10 < 5-7 > 3-7

SECTION "B"

[20Q. × 0.5 = 10 marks]

Fill in the blanks:

21. The solid part of the earth is called as _____.
22. An _____ involves interactions between physical and living factors.
23. At higher latitudes, sunlight strikes earth at tilted angle and thus light energy is more diffuse, which leads to _____ variation in sunlight.
24. A place where a plant or animal can get the food, water, shelter, and space it needs to live is called a _____.
25. All _____ that directly or indirectly affect the environment is biotic factors.
26. Disease is an example of a density-_____ factors.

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27. The population remains relatively constant over a number of years when the number of births equals the number of deaths is _____.
28. The climax community of a region is always its _____ plant species.
29. Saprophytes include those heterotrophic plants, fungi, and bacteria which live on _____.
30. The development of plant communities on newly formed habitats that previously lacked plants is called _____.
31. Any unwanted and destructive insect or other animal that attacks food or crops or livestock is called _____.
32. Nitrogen-fixing bacteria on legume nodules is an example of _____.
33. Food web is also known as _____ resource system.
34. The movement of a chemical from the surrounding medium into an organism is called _____.
35. Pesticides that kill only the organism for which it was intended and not harm any other species is called _____.
36. Alternative way to control pests that involves natural substance produced by animals to stimulate a response in other members of the same species is called _____.
37. Air pollution effects fabrics by soiling and loss of _____ strength.
38. The toxicity that inhibits *haem* synthesis is _____ toxicity.
39. An orchid on tropical trees is an example of _____ relationship.
40. Single largest pollutant in urban atmosphere is _____.

100 100

