

Unit-I

1. Into which of the following components do microorganisms fall?
 - [A] Chemical
 - [B] Biological
 - [C] Physical
 - [D] None of the above
2. With the increase in human resources, the demand of environmental resources
 - [A] declines
 - [B] increases
 - [C] remains steady
 - [D] None of the above
3. Over-used environment involves
 - [A] scant vegetation
 - [B] polluted air and water
 - [C] nutrient-poor soil
 - [D] All of the above
4. Environmental education can be spread through
 - [A] educated individuals
 - [B] educational institutions
 - [C] corporate sector
 - [D] All of the above
5. What determines the relationship between physical and biological components of the environment?
 - [A] Nutrients inflow
 - [B] Nutrients outflow
 - [C] Both [A] and [B]
 - [D] None of the above
6. Which amongst the following do not constitute to the biological components of the environment?
 - [A] Microbes
 - [B] Aquatic faunas
 - [C] Tides
 - [D] None of the above

7. Helium layer is confined to
 - [A] troposphere
 - [B] stratosphere
 - [C] mesosphere
 - [D] thermosphere
8. The photochemical activity is greatest at
 - [A] infrared end
 - [B] violet end
 - [C] visible region
 - [D] None of the above
9. Which of the following is not a physiographic factor?
 - [A] Irregularities in earth's surface
 - [B] Wind blowing
 - [C] Elevation and slopes
 - [D] Mountain ranges
10. The rate of photosynthesis is greater in
 - [A] infrared region
 - [B] ultraviolet region
 - [C] intermittent light
 - [D] continuous light
11. What percent of solar radiation is used in photosynthesis?
 - [A] 2%
 - [B] 4%
 - [C] 8%
 - [D] 10%
12. Most of the clouds and the weather systems occur in
 - [A] troposphere
 - [B] thermosphere
 - [C] mesosphere
 - [D] exosphere
13. Soil erosion can be prevented by
 - [A] grazing
 - [B] removal of vegetation
 - [C] afforestation
 - [D] agriculture
14. Which of the following defines field capacity?
 - [A] Percentage of soil volume occupied by interstitial space
 - [B] Mass of a unit volume of dry soil
 - [C] Maximum amount of water a freely drained soil can hold
 - [D] Weight of solid particles in a standard volume of dry soil

15. Ozone layer lies in

- [A] troposphere
- [B] thermosphere
- [C] stratosphere
- [D] mesosphere

18. Conservation of energy leads to

- [A] decrease in pollution rate
- [B] decrease in cost rate
- [C] conservation of resources
- [D] All of the above

16. Which of the following components of soil impart(s) to its most of the life sustaining attributes?

- [A] Organic matter
- [B] Living organisms
- [C] Water and gases
- [D] Humus

19. Man-induced landslide occurs due to

- [A] deforestation
- [B] construction along hill slopes
- [C] mining along hill slopes
- [D] All of the above

17. The largest amount of freshwater is found in

- [A] underground
- [B] polar ice and glaciers
- [C] lakes and streams
- [D] rivers

20. The peak concentration of ozone is at

- [A] 10 km above the earth's surface
- [B] 50 km above the earth's surface
- [C] 25 km above the earth's surface
- [D] 20 km above the earth's surface

Unit—II

21. Which of the following is not an ecosystem?

- [A] Forest
- [B] Desert
- [C] Aquatic
- [D] None of the above

25. The importance of ecosystem lies in

- [A] cycling of materials
- [B] flow of energy
- [C] Both [A] and [B]
- [D] None of the above

22. Which of the following is a tertiary consumer?

- [A] Fox
- [B] Hawk
- [C] Grasshopper
- [D] Frog

26. The complexity of any food web depends upon

- [A] diversity of organisms in the system
- [B] variety of population
- [C] diversity in gene pool
- [D] All of the above

23. Energy when flows from one trophic level to the other

- [A] increases
- [B] remains constant
- [C] decreases
- [D] first increases then decreases

27. Detritus food chain is a type of relation between organisms in which

- [A] food chain goes from dead organic matter into microorganisms
- [B] food chain goes from green plants to herbivores
- [C] food chain goes from green plants to carnivores
- [D] None of the above

24. The study of individual organism's relationship with its environment is called

- [A] ecology
- [B] synecology
- [C] monocology
- [D] autecology

28. Green plants constitute of
- [A] first trophic level
 - [B] second trophic level
 - [C] third trophic level
 - [D] complete food chain
29. Energy flow in an ecosystem follows which of the following paths?
- [A] Decomposers → Carnivores → Herbivores → Producers
 - [B] Producers → Herbivores → Carnivores → Decomposers
 - [C] Herbivores → Producers → Carnivores → Decomposers
 - [D] Herbivores → Producers → Decomposers → Carnivores
30. Which of the following is a newly known form of biological diversity?
- [A] Ecosystem diversity
 - [B] Genetic diversity
 - [C] Molecular diversity
 - [D] Species diversity
31. Endemic species represent those that
- [A] occur accidentally in an area
 - [B] are confined to a particular region
 - [C] are not confined to any region
 - [D] are distributed widely in different ecosystems
32. Who used the term 'hot spot' for the first time?
- [A] Anthony Campbell
 - [B] Thomas Lovejoy
 - [C] W. G. Rosen
 - [D] Sabina Virk
33. The Convention on International Trade in Endangered Species (CITES) was signed by 81 countries in which year?
- [A] 1972
 - [B] 1975
 - [C] 1982
 - [D] 1986
34. Salim Ali Centre for Ornithology and Natural History is located at
- [A] Mumbai
 - [B] Chennai
 - [C] Coimbatore
 - [D] Thiruvananthapuram

35. Ecotone is the
- [A] zone of least density in a community
 - [B] zone of transition between two communities
 - [C] zone of maximum diversity in a community
 - [D] zone of highest diversity in a community
36. Beta diversity is represented as
- [A] the number of species inhabiting in a particular site
 - [B] the difference in species complement between patches
 - [C] the number of species inhabiting in a large area
 - [D] the entire biosphere
37. Shannon-Weaver index is used to indicate
- [A] air pollution level
 - [B] water pollution
 - [C] biodiversity
 - [D] importance of a species
38. Deforestation rate is high in which area of the world?
- [A] Temperate zone
 - [B] Boreal forests
 - [C] Tropical zone
 - [D] Desert areas
39. After reaching to a new area, the process of successful establishment of the species as a result of adjustment with the conditions prevailing there is known as
- [A] migration
 - [B] nudation
 - [C] cecsis
 - [D] aggregation
40. The timing of bird migration appears to be controlled by
- [A] geocentric lines of force which prompt the birds to migrate
 - [B] temperature suitable for breeding and nesting
 - [C] availability of food as less food will lead to starvation
 - [D] endocrine glands that respond to the changes in the length of the day

Unit-III

41. Which of the following can cause depletion of ozone?
[A] H_2S
[B] NO
[C] Smoke
[D] Aerosols
42. Increase in carbon monoxide in air affects
[A] digestive system
[B] excretory system
[C] respiratory system
[D] nervous system
43. The presence of which of the following gases in air checks the ultraviolet light from sunlight?
[A] Sulphur dioxide
[B] Ozone
[C] Carbon dioxide
[D] Nitrogen dioxide
44. The most poisonous pollutant in water is
[A] arsenic
[B] zinc
[C] phosphate
[D] carbon dioxide
45. Automobile efflux containing tetraethyl lead hampers
[A] respiratory system
[B] nervous system
[C] digestive system
[D] haemoglobin formation
46. Noise pollution leads to
[A] impairment of hearing
[B] headache
[C] high blood pressure
[D] low blood pressure
47. Acid rain is a rainfall having pH
[A] greater than 5.5
[B] equal to 5.5
[C] less than 7
[D] greater than 7

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48. Aitken particles are
[A] cloud condensation nuclei
[B] hygroscopic particles
[C] activated in the presence of humid air
[D] All of the above
49. Mercury is emitted into air by
[A] coal fire
[B] burning garbage
[C] steam engine
[D] burning coal
50. Which amongst the following is the main cause of flood in India?
[A] Overgrazing
[B] Deforestation
[C] Soil erosion
[D] All of the above
51. Which amongst the following affects the ozone layer abruptly?
[A] SO_2
[B] Smog
[C] Chlorofluorocarbon
[D] Photochemical oxidants
52. 5th of June is celebrated as the
[A] World Population Day
[B] World Environment Day
[C] World Disabled Day
[D] World Hygiene Day
53. Which amongst the following pollutants is produced by aeroplanes?
[A] Smog
[B] Cinder
[C] Fly ash
[D] Aerosol
54. Vermicomposting is related to
[A] degradation of biomedical waste
[B] degradation of industrial waste
[C] degradation of organic waste
[D] degradation of inorganic waste

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Unit—IV

55. Which of the following is not a greenhouse gas?
[A] Carbon dioxide
[B] CFC
[C] Carbon monoxide
[D] None of the above
56. Sound becomes hazardous noise pollution at a level over
[A] 60 decibels
[B] 80 decibels
[C] 100 decibels
[D] 120 decibels
57. Newspaper contains a toxic chemical called
[A] cadmium
[B] mercury
[C] lead
[D] manganese
58. Which amongst the following causes acid rains?
[A] Release of NO_2 and SO_2 from burning of fossil fuels
[B] Release of CO in atmosphere
[C] Release of ammonia from industry
[D] None of the above
59. World Ozone Day is celebrated on
[A] 5th of June
[B] 1st of December
[C] 16th of September
[D] 22nd of April
60. 80% of pollution to the marine environment comes from
[A] land
[B] water
[C] air
[D] None of the above

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61. Which amongst the following well defines zero population?
[A] No immigration
[B] No new birth
[C] No emigration
[D] Equal share of gains and losses
62. With advances in science and technology, population growth curve assumed
[A] S shaped
[B] J shaped
[C] L shaped
[D] None of the above
63. Which amongst the following has contributed largely to rise in human population?
[A] Polygamy
[B] Decrease in infant mortality
[C] Increase in birthrate
[D] Decrease in old people mortality rate
64. World Hand Hygiene Day, 2018 was celebrated on
[A] 5th May
[B] 1st December
[C] 31st May
[D] 30th January
65. At present, the world population is increasing at the rate of
[A] 2%
[B] 2.25%
[C] 2.5%
[D] 3%
66. HIV means
[A] Human Immune Virus
[B] Human Indole Virus
[C] Human Immunodeficiency Virus
[D] None of the above
67. The number of births per 1000 is
[A] reproduction rate
[B] conception rate
[C] birthrate
[D] crude birthrate

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68. As per 2011 Census, which State of India has the lowest population?
- [A] Sikkim
 - [B] Goa
 - [C] Tripura
 - [D] Mizoram
69. The First International Conference on Human Rights held in 1968 is also known as
- [A] Geneva Conference
 - [B] Vienna Conference
 - [C] Tehran Conference
 - [D] Beijing Conference
70. Who was the founder of International Committee of Red Cross?
- [A] F. Lieber
 - [B] Henry Dunant
 - [C] Rousseau
 - [D] E. Roosevelt
71. ELISA Test is done to detect which of the following diseases?
- [A] Typhoid
 - [B] AIDS
 - [C] Leprosy
 - [D] Bronchitis
72. The genes causing cancer are
- [A] structural genes
 - [B] expressor genes
 - [C] oncogenes
 - [D] regulatory genes
73. Blackfoot disease is caused due to
- [A] HIV infection
 - [B] arsenic pollution
 - [C] lead pollution
 - [D] None of the above
74. Population of an area under natural circumstances grows mainly due to
- [A] birthrate
 - [B] immigration rate
 - [C] emigration rate
 - [D] None of the above

75. Overpopulation causes
- [A] depletion of natural resources
 - [B] inadequate food facilities
 - [C] ecological imbalance
 - [D] All of the above
76. Sex-ratio is measured by
- [A] the number of women amongst thousand men
 - [B] the number of men amongst thousand women
 - [C] the number of women amongst hundred women
 - [D] the number of men amongst hundred men
77. Fluorosis can cause which one of the following damages in human body parts?
- [A] Nail and skin
 - [B] Lungs and liver
 - [C] Teeth and bones
 - [D] Heart
78. The major objective of Family Welfare Programmes in India is
- [A] disease control
 - [B] population growth rate control
 - [C] employment generation
 - [D] None of the above
79. What does the acronym ISDR stand for?
- [A] International Significant Disaster Resources
 - [B] International Sustainable Development Report
 - [C] International Strategy for Disaster Reduction
 - [D] Intergovernmental Strategy for Developing Recreation
80. Most populous country in the world is
- [A] United States
 - [B] India
 - [C] China
 - [D] Russia