

2019

Time : $1\frac{1}{2}$ hours

Full Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer all questions.

Choose the correct answer : $1 \times 40 = 40$

1. Every year 5th June is celebrated as :
 (a) World Environment Day
(b) World Population Day
(c) World Hygiene Day
(d) Malaria Day
2. In an ecosystem, the photosynthetic plants are :
(a) Producers
 (b) Decomposers

- (c) Predators
(d) Primary consumers
3. Noise Pollution is measured in :
(a) Tons
(b) Fathoms
(c) Decibels
(d) Kilograms
4. Which of the following is a green house gas ?
(a) Nitrogen dioxide
(b) Sulphur dioxide
 (c) Carbon dioxide
(d) Carbon monoxide
5. Water harvesting is a method which :
(a) Increases ground water level
(b) Decreases ground water level
(c) Very old method not practiced now a days
(d) None of these
6. Which of the following is a sedimentary cycle ?
 (a) Nitrogen cycle

- (b) Carbon cycle
✓(c) Sulphur cycle
(d) Oxygen cycle
7. Forest and wild life are :
- ✓(a) Renewable resources
(b) Non-renewable resources
(c) Inexhaustible resources
(d) None of these
8. In which state of India the famous cooperative AMUL is situated ?
- (a) Maharashtra
✓(b) Gujarat
(c) Delhi
(d) Madhya Pradesh
9. Which crop is associated with the 'Green Revolution' ?
- (a) Wheat
✓(b) Rice
(c) Maize
(d) None of these

10. Which one of the following areas in India is a hotspot of biodiversity ?
- (a) Sundarbans
(b) Western Ghats
(c) Eastern Ghats
(d) Gangetic plains
11. Red data book provides data on :
- ✓(a) Red flowered plants
(b) Red coloured fishes
(c) Endangered plants and animals
(d) Red eyed birds
12. Which of the following is most dangerous to wild life ?
- (a) Over exploitation
(b) Habitat destruction
(c) Man-made forest
(d) All of the above
13. Biodiversity is determined by :
- (a) Number of individuals in an area
(b) Species richness

- (c) Species evenness
(d) Both (b) and (c)
14. CO emitted by automobiles prevents oxygen transport to body tissues by :
- (a) Changing O_2 to CO_2
(b) Destroying hemoglobin
 (c) Forming a stable compound with haemoglobin
(d) None of these
15. Which of the following is a secondary pollutant ?
- (a) PAN
 (b) SO_2
(c) CO
(d) Aerosol
16. The world has a population of :
- (a) 4 billion
(b) 5 billion
(c) 6 billion
 (d) 7 billion

17. The primary air pollutant responsible for acid rain is :
- (a) Carbon dioxide
(b) Sulphur dioxide
(c) Carbon monoxide
(d) Ozone
18. World Ozone Day is observed on :
- (a) January, 3
(b) March, 25
(c) October, 10
 (d) September, 16
19. Increasing skin cancer and high mutation rate are the result of :
- (a) Ozone depletion
(b) Acid rain
(c) CO pollution
(d) None of these
20. Extraction of mineral and metal from the earth is :
- (a) Agriculture
(b) Transportation

- (c) Mining
(d) Sustainable development
21. The 10% law for energy transfer in food chains was given by :
- (a) Tansley
(b) Lindemann
(c) Weismann
(d) Odum
22. Biotic factors refer to :
- (a) Gases produced by industries
(b) Nutrient deficient soil
(c) Living organisms
(d) Fossil fuel
23. Succulent plants grow in :
- (a) Tundra
(b) Deserts
(c) Tropical rain forests
(d) Temperate deciduous forests

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24. Which of the following food chain correctly describe the flow of energy in an Ecosystem ?
- (a) Grass → Lion → Human
(b) Cow → Grass → Lion
(c) Grass → Goat → Human
(d) Leaf → Bird → Lizard
25. Temporary hardness of water is caused due to :
- (a) Magnesium carbonate
(b) Calcium sulphate
(c) Magnesium sulphate
(d) Magnesium chloride
26. The process of nutrient richness of a water body is termed as :
- (a) Eutrophication
(b) Limiting nutrients
(c) Distillation
(d) None of these
27. Mercury poisoning in water is the reason for :
- (a) Pellagra
(b) Minamata disease

- (c) Itai – itai disease
(d) Scurvy
28. Building construction and real estate development can cause :
- (a) Air pollution
(b) Water pollution
(c) Land pollution
(d) Noise pollution
29. When fog is mixed with smoke then—is caused :
- (a) CFC
(b) Smog
(c) Global Warming
(d) None of these
30. Which is the colourless, poisonous gas produced from incomplete burning of fossil fuels ?
- (a) Carbon monoxide
(b) Oxygen
(c) Carbon dioxide
(d) None of these

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(9)

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31. The level at which sound becomes painful is :
- (a) Above 95 dB
(b) Above 65 dB
(c) Above 80 dB
(d) Above 90 dB
32. Waste which arise from households, institutes, markets and other activities is known as :
- (a) Industrial waste
(b) Municipal waste
(c) Hazardous waste
(d) Solid waste
33. Fuel oils and coal are classified as :
- (a) Deoxygenated fuels
(b) Fossil fuels
(c) Allotropic fuels
(d) None of these
34. Which of the following types of pollution can cause jaundice ?
- (a) Air
(b) Thermal

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(10)

Contd.

- (c) Water
(d) Land
35. Thickness of plastic cover permissible to use :
(a) 50 microns
(b) 20 microns
(c) 100 microns
(d) 10 microns
36. What is an incinerator ?
(a) Furnace used for burning solid waste
(b) Furnace used for treating liquid waste
(c) Both (a) and (b)
(d) None of these
37. Organ affected by pneumonia is :
(a) Liver
(b) Kidney
(c) Heart
(d) Lungs
38. The HIV virus causes which disease ?
(a) Cancer
(b) Brain tumour

- (c) AIDS
(d) Hepatitis
39. AIDS spread due to :
 (a) Homosexuality
(b) Immoral way of life
(c) Infected needles and syringes
(d) All of the above
40. Which of the following three R's are regarded as environment friendly ?
(a) Reduce, Reuse, Recycle
(b) Read, Register, Recall
(c) Random, Reduce, Recall
(d) Reduce, Rebuild, Restrict

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