

2020

Time : 1½ hours

Full Marks : 40

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

The questions are of equal value.

Answer all questions.

Choose the correct answer of the following questions :

1. The Earth Day is observed on :

(a) 16 February

(b) 4 April

(c) 22 April

(d) 17 September

2. Fertility of soil is measured by its ability to :

(a) Retain nutrient

(b) Holds organic minerals

(c) Hold water

(d) Support life

3. Petroleum is a :

(a) Synthetic product

(b) Renewable resource

(c) Non-renewable resource

(d) Inconvenient resource

4. Mineral and Metals are :

(a) Biodegradable resources

(b) Renewable resources

(c) Non - renewable resources

(d) Both (b) and (c)

5. River water deposits :

(a) Loamy soil

(b) Alluvial soil

(c) Laterite soil

(d) Sandy soil

6. Soil particles determine its :

(a) Texture

(b) Field capacity

(c) Water holding capacity

(d) Soil flora

7. The sum total of the population of the same kind of organisms constitutes :

(a) Colony

(b) Genus

(c) Community

(d) Species

8. Ultraviolet radiations from sunlight cause a reaction that produces :

(a) Fluorides

(b) Carbon Monoxide

(c) Sulphur dioxide

(d) Ozone

9. The soil best suited for plant growth is :

(a) Clay

(b) Loamy

(c) Sandy

(d) Gravel

10. Above what level is sound considered hazardous noise pollution ?

(a) Above 80 dB

(b) Above 150 dB

(c) Above 30 dB

(d) Above 120 dB

11. The Taj Mahal is threatened due to effect of :

(a) Oxygen

(b) Hydrogen

(c) Chlorine

(d) Sulphur dioxide

12. Which of the following is the most stable ecosystem ?

(a) Mountain

(b) Ocean

(c) Forest

(d) Desert

13. Which of the following is the main factor of desertification ?

(a) Overgrazing

(b) Tourism

(c) Irrigated agriculture

(d) All of the above

14. The most common indicator organism that represents polluted water is :

(a) *C. Vibrio*

(b) *Entamoeba histolytica*

(c) *E. Coli*

(d) *P. typhi*

15. During adverse season, therophytes survive by :

(a) Rhizomes

(b) Seeds

(c) Bulb

(d) Corm

16. _____ is not abiotic condition.

(a) Water

(b) Soil

(c) Temperature

(d) Bacterium

17. _____ is the basis of all food chains.

(a) Consumers

(b) Producer

(c) Decomposer

(d) Detritivore

18. Which of the following organisms is producer in ocean ?

(a) Phytoplankton

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(7)

(Turn over)

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(b) Nekton

(c) Benthos

(d) Zooplankton

19. Trophic levels are formed by :

(a) Only plants

(b) Only animals

(c) Only carnivorous

(d) Organisms linked in food chain

20. IUCN stands for :

(a) International Union for Conservation of Nature

(b) International United Conservation of Nations

(c) Internal Union for Conservation of Nature

(d) International Union for Conservation of Nature

21. Chipko Movement is associated with :

(a) Water Conservation

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(8)

Contd.

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✓(b) Forest Conservation

(c) Land Conservation

(d) All of these

22. How many lobes does human brain have ?

(a) 6

(b) 4

(c) 3

✓(d) 2

23. Wheat is :

✓(a) Rabi crop

(b) Kharif

(c) Both (a) and (b)

(d) None of the above

24. Asian Koel is state Bird of :

✓(a) Jharkhand

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(9)

(Turn over)

(b) West Bengal

(c) Kerala

✓(d) Karnataka

25. Mitochondria are _____ of the cell.

✓(a) Power house

(b) Light house

(c) Both (a) and (b)

(d) None of the above

26. The Unit of Measurement of temperature is :

✓(a) Degree Celsius

(b) Degree Fahrenheit

✓(c) Percentage

(d) Both (a) and (b)

27. COP 21 was held in which city ?

(a) London

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(10)

Contd.

(b) Paris

(c) Washington

(d) Lima

28. Process in which water vapour are released in air by leaves of plants is called :

(a) Respiration

(b) Precipitation

(c) Evaporation

(d) Transpiration

29. _____ is used to measure the extent to which the weather is hot or cold.

(a) Wind

(b) Precipitation

(c) Humidity

(d) Temperature

30. Climate change is not likely to cause Massive increase in :

(a) National change

(b) Population growth

(c) Sea level rise

(d) Biodiversity loss

31. BOD stands for :

(a) Biological Oxygen Decrease

(b) Biological Oxygen Demand

(c) Biotic Oxygen Demand

(d) None of the above

32. Water vapour is :

(a) A Gas

(b) A cloud droplet

(c) A rain drop

(d) A snowflake

33. Which of the following is not a function of roots in plants ?

(a) Providing Humns

(b) Storing Food

(c) Giving support to the plants

(d) Absorbing water and minerals

34. Minamata disease is caused by :

(a) Mercury

(b) Lead

(c) Sodium

(d) Potassium

35. Lemons are good source of

(a) Vitamin 'K'

(b) Vitamin 'C'

(c) Vitamin 'B'

(d) None of these

36. Hazardous Waste is commonly produced in :

(a) Industries and hospitals

(b) House holds

(c) School and Colleges

(d) Hotels

37. Compost is being used for all of the following except :

(a) Landfill cover

(b) Landscaping

(c) Low-grade fertilizers

(d) Agricultural feed

38. When trees are cut the amount of oxygen :

- (a) Decrease
- (b) Increases
- (c) Both (a) and (b)
- (d) Remain same

39. Of the earth's surface, 71% is covered with :

- (a) Land
- (b) Air
- (c) Water
- (d) Coal

40. Quinine medicine is composed of _____

Plants.

- (a) Eucalyptus
- (b) Aconite
- (c) Cinchona
- (d) Money

