

TOTAL MARKS: 100

TOTAL TIME: 3 HOURS

- (1) Question 1 is compulsory.
 - (2) Attempt any **four** from the remaining questions.
 - (3) Assume data wherever required.
 - (4) Figures to the right indicate full marks.
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1The air prevention and control of pollution Act was enacted in the year ____ (1 marks)

- a) 1987
 - b) 1974
 - c) 1981
 - d) 1986
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2Smog is formed by the reaction of which air pollutants. (1 marks)

- a) Smoke and mist
 - b) Smoke and fog
 - c) Smoke and biogas
 - d) Smoke and dust
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3Which of the following is not a solution for global warming? (1 marks)

- a) Reducing use of fossil fuels
 - b) Planting more trees
 - c) Deforestation
 - d) Reducing vehicular transportation
-

4Methemoglobinemia is caused by the contamination of water due to _____ (1 marks)

- a) Mercury
 - b) Nitrate
 - c) Arsenic
 - d) Nitrates
-

5Earth's day is celebrated on _____ every year (1 marks)

- a) June 22
 - b) Sept 22
 - c) April 22
 - d) June 5
-

6HIV can be transmitted to humans through which media? (1 marks)

- a) air
- b) Blood
- c) Virus

d) Hereditary

7 Mineral resources are (1 marks)

- a) Renewable
 - b) Fossil fuels
 - c) Non-renewable
 - d) Sedimentary rocks
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8 World Ozone day is being celebrated on every year (1 marks)

- a) 15 Sept
 - b) 16 October
 - c) 16 Sept
 - d) 22 April
-

9 Contribution of carbon dioxide to global warming from industries (1 marks)

- a) 50%
 - b) 24%
 - c) 25%
 - d) 75%
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10 Which atmospheric layer is closest to the Earth's surface? (1 marks)

- a) Mesosphere
 - b) Troposphere
 - c) Stratosphere
 - d) Thermosphere
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11 Ozone is present in which layer of the atmosphere (1 marks)

- a) Ozonosphere
 - b) Stratosphere
 - c) Troposphere
 - d) Ionosphere
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12 What is the maximum allowable concentration of fluorides in drinking water? (1 marks)

- a) 1.0mg/l
 - b) 1.25mg/l
 - c) 1.50mg/l
 - d) 1.60mg/l
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13 Which of the following gas is not concerned with the green house effect? (1 marks)

- a) CO₂
- b) CH₄
- c) SO₂

d) H₂O vapor

14 Which of the following is not a renewable source of energy? (1 marks)

- a) Solar
 - b) Wind
 - c) Nuclear
 - d) Geo-thermal
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15 Optimum growth of bacteria in favorable pH value of (1 marks)

- a) 6.5 - 8.5
 - b) 7.0
 - c) 6.5 - 7.5
 - d) 7.0 - 14.0
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16 Eutrophication means (1 marks)

- a) Quality of water in lakes
 - b) Enrichment of plant nutrients in water
 - c) Water purification technique
 - d) Meeting point of river and sea.
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17 Earth's body temperature is approximately equal to _____? (1 marks)

- a) 16.4 degree celcius
 - b) 16.6 degree celcius
 - c) 36 degree celcius
 - d) 21.6 degree celcius
-

18 Presence of BOD in drinking water indicates (1 marks)

- a) Rich content of oxygen
 - b) Organic matter
 - c) Turbidity
 - d) Physical impurities
-

19 Which of the following is a natural source of Air pollution? (1 marks)

- a) Acid rain
 - b) Precipitation
 - c) Storms
 - d) Volcanic eruption
-

20 Effect of carbon monoxide on blood, causing (1 marks)

- a) H₂CO₃
- b) COHb
- c) CO₂Hb

d) HbCO₂

21 Anthropogenic activities means (1 marks)

- a) Natural made
 - b) Biological
 - c) Man made
 - d) Animal made
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22 Which of the following energy source is less eco-friendly? (1 marks)

- a) Wind
 - b) Water
 - c) Solar
 - d) Thermal
-

23 Which of the following is a biotic component of an ecosystem? (1 marks)

- a) Sunlight
 - b) Fungi
 - c) Temperature
 - d) Water
-

24 Generation of wind energy is mainly based on which factor? (1 marks)

- a) Direction of wind
 - b) Storms
 - c) Velocity of wind
 - d) Wind pressure
-

25 Example of abiotic component of an ecosystem (1 marks)

- a) Plants
 - b) Food
 - c) Water
 - d) Live stock
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26 Expansion of the term WWF is _____ (1 marks)

- a) World Wide life Force
 - b) World Wide Forest
 - c) World Wide life Forest
 - d) World Wild life Fund
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27 Maximum allowable concentration of total hardness as per BIS in drinking water is _____ (1 marks)

- a) 600mg/l
- b) 300mg/l

- c) 1000mg/l
 - d) 250 mg/l
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28Water pollution prevention and control act was enacted in the year _____ (1 marks)

- a) 1986
 - b) 1974
 - c) 1981
 - d) 1987
-

29Stone cancer is an effect of _____ (1 marks)

- a) Climatic change
 - b) Hard water
 - c) Acid rain
 - d) Excess of calcium
-

30Most stable eco-system is _____ (1 marks)

- a) Mountain
 - b) Ocean
 - c) Population
 - d) Fossil fuels
-

31Example for tertiary consumers _____ (1 marks)

- a) Plants
 - b) Cattle
 - c) Snake
 - d) Elephant
-

32As per BIS, the minimum allowable limit of iron content in drinking water is _____ (1 marks)

- a) 1.0mg/l
 - b) 0.2mg/l
 - c) 0.3mg/l
 - d) 0.5mg/l
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33 In hydro power plants, power is generated by _____ (1 marks)

- a) Solar
 - b) Thermal
 - c) Water
 - d) Coal
-

34The pH value of acid rain was recorded in early days (1 marks)

- a) 2.5
 - b) 7.5
 - c) 4.7
 - d) 5.7
-

35First international Earth summit was held at (1 marks)

- a) USA
 - b) Russia
 - c) Rio-de-Janeiro
 - d) Johannesburg
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36Bhopal gas tragedy was caused due to leakage of ____ (1 marks)

- a) CH₄
 - b) MIC
 - c) SO₂
 - d) Pesticides
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37Karnataka state pollution control board was established in the year (1 marks)

- a) 1984
 - b) 1976
 - c) 1974
 - d) 1983
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38Among all oxides of nitrogen which one is responsible for the formation of the acid rain? (1 marks)

- a) Nitrous oxide
 - b) Nitric oxide
 - c) Nitrogen trioxide
 - d) Nitrogen pentoxide
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39The liquid waste generated from municipal solid waste disposal pits is called (1 marks)

- a) Solid waste water
 - b) Sewage
 - c) Leachate
 - d) Compost waste water
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40Minimum allowable limit of noise pollution for human persistence is ____ (1 marks)

- a) 40dB
- b) 90dB
- c) 45dB
- d) 55dB

41Demography means (1 marks)

- a) Study on forest
- b) Study on human activities
- c) Study on earthquake
- d) Study on population growth

42Freons are called (1 marks)

- a) Hydrocarbons
- b) Ozone
- c) Methane
- d) Solvents

43Which of the following is a biodegradable pollutant? (1 marks)

- a) DDT
- b) Sewage
- c) CFC
- d) Freons

44Percentage of ground water available on Earth's environment is ____ (1 marks)

- a) 0.02
- b) 0.5
- c) 1.5
- d) 0.2

45During green house effect, carbon dioxide and water vapor absorbs (1 marks)

- a) Short wave radiations
- b) Long wave radiations
- c) Solar radiation
- d) UV radiations

46Amount of Carbon dioxide present in atmosphere air is (1 marks)

- a) 21%
- b) 0.383%
- c) 78%
- d) 0.318%

47Estuary means (1 marks)

- a) Rich in nutrients
- b) End point of the river
- c) Meeting place of river and sea
- d) Treatment of water

48Physical pollution of water is due to

(1 marks)

- a) Chlorides
- b) Turbidity
- c) pH
- d) All of these

49Control of water borne diseases can be achieved effectively in a community by

(1 marks)

- a) Defluoridation
- b) Disinfection
- c) Sterilization
- d) Vaccination

50Ozone layer thickness is measured in which units?

(1 marks)

- a) PPM
- b) PPB
- c) Db
- d) DU