

Environment related questions and answers year 3 JJU

1 . The human activity, among the following, which causes maximum environmental pollution having regional and global impact, is

- A. Industrialization
- B. Urbanization
- C. Agriculture
- D. Mining

Answer & Explanation
Answer: A

2 . The science that deals with the relationship of various organisms with their environment is known as

- A. anthropology
- B. economics
- C. ecology
- D. geology

Answer & Explanation
Answer: C

3 . Objective of environmental studies is to

- A. Create environmental ethics that foster awareness about the ecological inter - dependence of economic, social and political factors in a human community and the environment
- B. Acquiring skills to help the concerned individuals in identifying and solving environmental problems
- C. Raise consciousness about environmental conditions
- D. All of the above

Answer & Explanation
Answer: D

4 . An ecosystem consists of

- A. Population
- B. A biotic community
- C. A population and its non-living elements
- D. A biotic community and its non-living elements

Answer & Explanation
Answer: D

5 . The perfect equilibrium existing in the biosphere between the various organisms is known as

- A. Ecological cycle
- B. Ecological balance
- C. Environmental balance
- D. None of these

Answer & Explanation
Answer: B

7 . In a food chain humans are

- A. Producers
- B. Primary consumers

C.Secondary consumers

D.Primary and secondary consumers

Answer & Explanation

Answer: D

9 . Word "Environment" is derived from :

- A. Italy
- B. French
- C. German
- D. English

Answer & Explanation

Answer: B

Explanation:

10 . Largest reservoir of Nitrogen is exists in :

- A. Atmosphere
- B. Stratosphere.
- C. Hydrosphere
- D. Lithosphere

Answer & Explanation

Answer: A

11 . 'World Environmental Day' is celebrated every year on:

- A. 5th May
- B. 5th June
- C. 5th July
- D. 18th July

Answer & Explanation

Answer: B

12 . 'Earth's Day' is celebrated every year on:

- A. Oct 26th
- B. April 22nd
- C. June 5th
- D. Dec 23rd

Answer & Explanation

Answer: B

13 . Eutrophication means :

- A.Water purification
- B.Neutralization of waste water
- C.Waste water Treatment process
- D.Enrichment of plant nutrients in water bodies

Answer & Explanation

Answer: D

14 . An ecosystem is a region in which

- A.Dead organism interact with their environment
- B.Living organism interact with their environment
- C.Living organism do not interact with their environment
- D.All of the above

Answer & Explanation

Answer: B

16 . The two major components of ecosystem are

- A. Abiotic and biotic
- B. Cyclic and biologic
- C. Adiabatic and isotropic
- D. Ecologic and climatologic

Answer & Explanation

Answer: A

17 . Biotic components include

- A. All living organisms
- B. Light, temperature etc
- C. Water, mineral and gases
- D. Self-nourishing green plants

Answer & Explanation

Answer: A

Explanation:

18. The sequence of eating and being eaten in an ecosystem is called

- A. food chain
- B. carbon cycle
- C. sulphur cycle
- D. hydrological cycle

Answer & Explanation

Answer: A

19. An animal that feeds upon another animal is

- A. producer
- B. consumer
- C. decomposer
- D. predator

Answer & Explanation

Answer: B

20 . Which part of plant contains nitrogen fixing bacteria?

- A. Roots
- B. Stems
- C. Leaves
- D. All the above

Answer & Explanation

Answer: A

21 . Organic farming is

- A. enhancing biodiversity
- B. promoting soil biological activity
- C. farming without using pesticides and chemical fertilizers
- D. all the above

Answer & Explanation

Answer: D

22 . Percentage of nitrogen in earth's atmosphere is

- A. 12%
- B. 21%
- C. 78%
- D. 98%

Answer & Explanation

Answer: C

23 . Which of the following components of the environment are effective transporters of matter?

- A. Atmosphere and lithosphere
- B. Atmosphere and hydrosphere
- C. Lithosphere and thermosphere
- D. Hydrosphere and lithosphere

Answer & Explanation

Answer: D

24 . A food web consists of

- A. A portion of food chain
- B. A set of similar consumers
- C. Interlocking of food chains
- D. Producers, consumers and decomposers

Answer & Explanation

Answer: C

25 . Earth's body temperature is approximately equal to

- A. 16.4°C
- B. 26.4°C
- C. 36.4°C
- D. 46.4°C

Answer & Explanation

Answer: A

26 . Which of the following is a biotic component of an ecosystem?

- A. Fungi
- B. Wind
- C. Sunlight
- D. Temperature & Water

Answer & Explanation

Answer: A

27 . Amount of carbon dioxide present in atmospheric air is

- A. 0.318%
- B. 0.383%

C. 21%

D. 78%

Answer & Explanation

Answer: A

28. The ideal of sustainable development was defined for the first time by the world commission on environment and development in the year

A. 1985

B. 1986

C. 1987

D. 1988

Answer & Explanation

Answer: C

29 . The type of mass movement characterized by a slow and gradual down slope movement is known as

A. Creep

B. Rockfall

C. Landslide

D. Mud flow

Answer & Explanation

Answer: D

30 . The natural disastrous events like volcanoes, earthquakes, cyclones, bring about environmental changes which are

A. Reversible

B. Irreversible

C. Both (a) and (b)

D. None of these

Answer & Explanation

Answer: C

39 . Anthropogenic activities means :

A. Human activities

B. Natural activities

C. Bacteriological activities

D. Wild animals activities

Answer & Explanation

Answer: A

31 . Which of the following is major Environmental issues in Mining activities?

A. Water pollution

B. Soil Degradation

C. Air pollution and Dust

D. All the above

Answer & Explanation

Answer: D

32 . EIA is related to :

A. Environmental Impact Assessment

B. Environmental and Industrial Activities

C. Environmental Internal Activities

D.Environmental Impact Activities

Answer & Explanation

Answer: A

33 . Sustainable development

A.Encourages environmentally economic growth

B.Discourages environmentally economic growth

C.Discourages environmentally harmful and unsustainable forms of economic growth

D.All the above

Answer & Explanation

Answer: C

34 . Smog is combination of

A. Smoke and snow

B. Snow and fog

C. Smoke and fog

D. All the above

Answer & Explanation

Answer: C

35 . Decreased soil fertility through rapid leaching of the essential mineral nutrients is due to

A.Reforestation

B.Deforestation

C.Over exploitation

D.Recycling of forest products

Answer & Explanation

Answer: B

36 . Sustainability requires

A.Conservations of resources

B.Minimizing depletion of non-renewable sources

C.Using sustainable practices for managing renewable resources

D.All the above

Answer & Explanation

Answer: D

37 . The adverse effect of modern agriculture is

A.Soil pollution

B.Water pollution

C.Wastes logging

D.All of these

Answer & Explanation

Answer: D

38 . Estuary means

A.Rich in nutrients

B.Treatment of water

C.End point of the river

D.Meeting place of river and sea

Answer & Explanation

Answer: D

39 . Physical pollution of water is due to

A. PH

B. Chlorides

C. Turbidity

D. All of these

Answer & Explanation

Answer: C

40 . Loss of water content through the plants into the atmosphere is called :

A. Evaporation

B. Vaporization

C. Hydraulic cycle

D. Transpiration

Answer & Explanation

Answer: D

41 . What is the Max. allowable concentration of Iron content in drinking water ?

A. 0.5 mg/l

B. 1.0 mg/l

C. 1.5 mg/l

D. 2.0 mg/l

Answer & Explanation

Answer: C

Explanation:

1.5 mg/l

42. Nitrogen fixation from the atmosphere is high in which type of plants?

A.Liguminus

B.Manocoteliden

C.Both (a) and (b)

D.None of the above

Answer & Explanation

Answer: A

43 . Cholera and Typhoid are caused by

A. Virus

B. Fungus

C. Housefly

D. Bacteria

Answer & Explanation

Answer: D

44 . Among fresh water availability on Earth, the percentage of Groundwater occurs is about

- A. 0.2%
- B. 0.5%
- C. 0.8%
- D. 1.0%

Answer: B

45 . Water used for irrigation of food crops, fodder crops and medical herbs in known as

- A. Auxiliary use
- B. Productive use
- C. Commercial use
- D. Consumptive use

Answer & Explanation

Answer: B

46 . Water quality involves measuring the number of colonies of

- A. Cells
- B. Protozoa
- C. Chromozomes
- D. Coliform bacteria

Answer & Explanation

Answer: B

47 . The earth's land surface covered by forest is about

- A. 30 %
- B. 40 %
- C. 50 %
- D. 60 %

Answer & Explanation

Answer: A

48 . A major carbon storage reservoir in the carbon cycle is

- A. Trees
- B. Rivers
- C. Oceans
- D. Atmosphere

Answer & Explanation

Answer: A

49 . The volume of nitrogen present in the troposphere is

- A. 5%
- B. 21%
- C. 78%
- D. 85%

Answer & Explanation

Answer: C

50 . What is the percentage of fresh water available in lakes and streams?

- A. 0.1%
- B. 0.01%
- C. 0.001%
- D. 0.0001%

Answer & Explanation

Answer: B

51 . Which is considered as energy source of future?

- A. Wind
- B. Ocean

C. Hydrogen

D. None of these

Answer & Explanation

Answer: C

52 . Energy obtained from the Earth's hot interior is called the

A. Geo-Thermal energy

B. Thermal energy

C. Biomass energy

D. None of these

Answer & Explanation

Answer: A

53 . Electromagnetic radiation energy is an energy in the form of

A. Heat

B. Wave

C. Light

D. All the above

Answer & Explanation

Answer: D

54 . Percentage methane content of biogas is

A. 10–20 %

B. 20–35 %

C. 40–45 %

D. 50–75 %

Answer & Explanation

Answer: D

55 . Good example of renew able energy resource is

A. Oil

B. Coal

C. **Hydropower**

D. All the above

56. The basic element in fossil fuels is

A. Oxygen

B. Carbon

C. Sulphur

D. Phosphorus

Answer & Explanation

Answer: B

57 . Hydro electricity is generated from

A.Forests

B.Coal plants

C.Lakes and ponds

D.Water reservoir of river dams

Answer & Explanation

Answer: D

58 . Cow dung can be used

A.as manure

B.for production of biogas

C.both (a) and (b)

D.none of these

Answer & Explanation

Answer: C

59 . Recycled water can be used for

A.Crop irrigation

B.Landscape gardening

C.Replenishing fast depleting aquifers

D.All of these

Answer & Explanation

Answer: D

60 . Solar radiations consist of

A.Visible region

B.Infra-red region

C.Both (a) and (b)

D.None of these

Answer & Explanation

Answer: C

61 . Direct conversion of solar energy is attained by

A.Galvanic cells

B.Electrolytic cells

C.Hydrogen fuel cells

D.Solar photovoltaic system

Answer & Explanation

Answer: D

62 . Identify the non-renewable sources of energy from the following

A. Coal

B. Fuel cells

C. Wind power

D. Wave power

Answer & Explanation

Answer: A

63 . Hydrogen can be produced commercially by

A.Cracking of ammonia

B.Electrolysis of water

C.Both (a) and (b)

D.Gasification

Answer & Explanation

Answer: C

64 . Generation of wind energy is mainly based on which factor

- A.Storms
- B.Pressure
- C.Velocity of wind
- D.Direction of wind

Answer & Explanation

Answer: C

65 . Noise pollution means

- A.Loud sound
- B.Unwanted sound
- C.High frequency sound
- D.Environmental pollution

Answer & Explanation

Answer: B

66 . Liquid waste generated from Bathrooms and Kitchens are called

- A. Runoff
- B. Sullage
- C. Domestic sewage
- D. All the above

Answer & Explanation

Answer: C

67 . Noise pollution limit in industrial area is

- A. 65 dB
- B. 80 dB
- C. 95 dB
- D. 100 dB

Answer & Explanation

Answer: B

68 . Which of the following is a natural source of environmental pollution?

- A. Earthquake
- B. Automobiles
- C. Industries
- D. Sewage

Answer & Explanation

Answer: A

69. Which of the following is a natural source of Air pollution?

- A. Storms
- B. Acid rain
- C. Precipitation
- D. Volcanic eruptions

Answer & Explanation

Answer: D

70 . Which of the following is a biodegradable pollutant?

- A. CFC
- B. DDT

C. Freon's

D. Sewage

Answer & Explanation

Answer: D

71 . The major green house gas which is responsible for causing about 60% of the green house effect on earth among the following is

A. Nitrogen

B. Methane

C. Carbon dioxide

D. Carbon monoxide

Answer & Explanation

Answer: C

72 . The primary reason for large scale decline in population death rate during 20th century was

A.Improved environmental conditions

B.Improved medical care and control of epidemics

C.Both (a) and (b)

D.None of these

Answer & Explanation

Answer: B

73 . Which of the following is ill effect of Urbanization

A.Environmental pollution

B.Loss of soil degradation

C.Decrease in Agricultural Land

D.All of these

Answer & Explanation

Answer: D

74 . Global warming means :

A.Increase in Earth's Body Temperature

B.Increase in solar radiation

C.Acid Rain

D.All the above

Answer & Explanation

Answer: A

75 . Which of the following is not a Green House Gas?

A. Ozone

B. Water vapour

C. Carbon dioxide

D. Sulphur dioxide

Answer & Explanation

Answer: D

76 . Which of the following is not a solution for Global warming?

- A. Deforestation
- B. Plantation of more trees
- C. Reducing fossil fuel consumption
- D. None of the above

Answer & Explanation
 Answer: A

77 . Global warming affects

- A. Climate change
- B. Food production
- C. Melting of glaciers
- D. All of these

Answer & Explanation
 Answer: D

78 . The protocol that reduces green house gas emissions is

- A. Kyoto protocol
- B. Vienna protocol
- C. Montreal protocol
- D. Cartagena protocol

Answer & Explanation
 Answer: A

79. Green house effect causes

- A. Increase in rainfall
- B. Lowering of acid rain
- C. Rise in temperature of earth
- D. Lowering in temperature of earth

Answer & Explanation
 Answer: C

80 . Important sources of land pollution are

- A. Industrial Wastes
- B. Agricultural Wastes
- C. Both (a) and (b)
- D. None of the above

Answer & Explanation
 Answer: C

81 . Climate and global air circulations are mainly affected by the properties of

- A. Temperature
- B. Precipitation
- C. Water and air
- D. None of the above

Answer & Explanation
 Answer: A
 Explanation:

82. The main impact of urbanization on plant and animal life is

- A. Loss of species
- B. Mutation in species

C. Increase in species

D. None of these

Answer & Explanation

Answer: A

83 . Global atmospheric temperatures are likely to be increased due to

A. Burning of fossil fuels

B. Water pollution

C. Soil erosion

D. None of the above

Answer & Explanation

Answer: A

84 . Domestic sewage is

A. Waste water from industries

B. Waste water from residential areas

C. Waste water generated from kitchens and bathrooms

D. None of the above

Answer & Explanation

Answer: C

85 . During green house effect, carbon dioxide and water vapours absorb,

A. UV radiations

B. Solar radiation

C. Short wave radiations

D. Long wave radiations

Answer & Explanation

Answer: D

86 . The important gaseous pollutants contributing to acid rain are

A. Oxygen and Nitrogen

B. Carbon Dioxide and Nitrogen

C. Carbon dioxide

D. Sulfur dioxide (SO₂) and Nitrogen (NO_x)

Answer & Explanation

Answer: D

87 . The ozone depletion in the stratosphere is chiefly caused by the release of

A. Chlorofluoro carbons

B. Carbon dioxide

C. Methane

D. None of these

Answer & Explanation

Answer: A

88 . Movement of Nutrients from the soil by the Acid Rain is called :

- A. Leaching
- B. Infiltration
- C. Exfiltration
- D. Transpiration

Answer & Explanation

Answer: A

89 . Thickness of the Ozone layer is measured in which units?

- A. dB
- B. dobson unit
- C. PPB
- D. PPM

Answer & Explanation

Answer: B

Explanation:

A dobson unit is the most basic measure used in ozone research. One Dobson Unit (DU) is defined to be 0.01 mm thickness at STP (standard temperature and pressure). Ozone layer thickness is expressed in terms of Dobson units, which measure what its physical thickness would be if compressed in the Earth's atmosphere.

90 . Each chlorine free radical can destroy the number of ozone molecules

- A. 100 ozone molecules
- B. 1000 ozone molecules
- C. 10,000 ozone molecules
- D. 100,000 ozone molecules

Answer & Explanation

Answer: D

91 . World 'Ozone day' is being celebrated on every year

- A. Sept 5th
- B. Sept 16th
- C. Oct 15th
- D. June 5th

Answer & Explanation

Answer: B

92 . Ozone is present in which layers of the atmosphere?

- A. Stratosphere
- B. Mesosphere
- C. Troposphere
- D. Thermosphere

Answer & Explanation

Answer: A

93 . The equivalent of one Dobson unit is

- A. 0.1 m
- B. 0.01 m
- C. 0.1 mm
- D. 0.01 mm

Answer & Explanation

Answer: D

94 . Ozone hole is said to occur when the ozone level decreases below

- A. 2 DU
- B. 20 DU
- C. 200 DU
- D. 2000 DU

Answer & Explanation
Answer: C

95 . The radiations absorbed by ozone layer are

- A. Ultra-violet
- B. Infra-red
- C. Gamma rays
- D. Visible

Answer & Explanation
Answer: A

96 . Primary cause of acid rain around the world is due to

- A. Ozone
- B. carbon dioxide
- C. sulfur dioxide
- D. carbon monoxide

Answer & Explanation
Answer: C

97 . Major compounds responsible for the destruction of Ozone layer is

- A. CO₂
- B. CH₄
- C. CFCs
- D. oxygen

Answer & Explanation
Answer: C

98 . Which of the following is the remedial measure for acid rain?

- A. Use of coal, free from sulphur
- B. Use of electrostatic precipitator and catalytic converters
- C. Reducing the release of oxides of nitrogen and sulphur into the atmosphere
- D. All of these

Answer & Explanation
Answer: D

99 . The pH of acid rain is

- A. Less than 1.7
- B. Less than 2.7
- C. Less than 4.7
- D. Less than 5.7

Answer & Explanation
Answer: D

100 . Acid rain affects

- A. Soil
- B. Plants
- C. Materials
- D. All of the above

Answer & Explanation
Answer: D

101 . First International Earth summit was held at

- A. Germany
- B. Stockholm
- C. Johannesburg
- D. Riode Janeiro

Answer & Explanation
Answer: B

102 . Environmental education is targeted to

A.General public

B.Professional social groups

C.Technicians and scientists

D.All of these

Answer & Explanation

Answer: D

103 . Expansion of the term WWF is

A.Worldwide forest

B.World wild life fund

C.Worldwide life force

D.Worldwide life forest

Answer & Explanation

Answer: B

Explanation:

World wild life fund