**1. Biotic environment includes**

    (a) producers                             (b) consumers

    (c) decomposers                        (d) all the above

**Answer: (d)** all the above

**2. Decomposers include**

(a) bacteria                                 (b) fungi

    (c) both                                       (d) animals

**Answer: (c)**both

**3. Abiotic environment does not include**

(a) air                                          (b) water

    (c) soil                                          (d) plants

**Answer: (d)**plants

**4. Vermicomposting is done by**

(a) fungus                                   (b) bacteria

    (c) worms                                    (d) animals

**Answer: (c)**worms

**5. The group of organisms which convert light into food are called**

(a) autotrophs                             (b) heterotrophs

    (c) decomposers                         (d) omnivores

**Answer: (a)**Autotrophs

**6. Which one the following is not biodegradable?**

(a) vegetables                             (b) fruits

    (c) earthworm                              (d) aluminium foil

**Answer: (d)**Aluminium Foil

**7. Animal(s) which is/are active at night.**

(a) owl                                         (b) rat

    (c) cockroach                              (d) all the above

**Answer: (d)**All the above

**8. An animal that can tolerate the heat of the desert is**

(a) rats                                        (b) camel

    (c) cow                                         (d) lion

**Answer: (b)**camel

**9. Air pollution is caused by**

   (a) Insecticides                    (b) Sewage

   (c) Smoke                            (d) Loud speakers

**Answer: (c)**smoke

**10. If waste materials contaminate the source of drinking water which of the following diseases will spread?**

(a) Scurvy                            (b) Typhoid

   (c) Malaria                            (d) Anaemia

**Answer: (b)**Typhoid

**11. In our country the Van Mahotsav Day is observed on**

(a) Second of October          (b) First of December

   (c) Tenth of August               (d) First of July

**Answer: (d)**First of July

**12. Which of the following wastes cannot be decomposed by bacteria to form compost?**

(a) Kitchen wastes                 (b) Plastic and polythene bags

   (c) dead plants                      (d) bodies of insects living in the soil

**Answer: (b)**Plastic and polythene bags

**13. Which of the following problems is not created by noise pollution ?**

(a) Diarrhoea                         (b) Hypertension

   (c) Deafness                          (d) Irritation

**Answer: (a)**Diarrhoea

**14. Plants are green because of the presence of a pigment called:**

(a) glucose                                 (b) nitrogen

     (c) chlorophyll                            (d) oxygen

**Answer: (a)**chlorophyll

**15. Air is composed of gases, water vapours and**

(a) dust particles                             (b) rainfall

    (c) snowfall                                       (d) light

**Answer: (a)**dust particles

**16. Medicine of quinine is provided by**

(a) Eucalyptus plant                            (b) aconite plant

     (c) cinchona plant                               (d) money plant

**Answer: (c)**cinchona plant

**17. Chief source of energy in environment is**

(a) fire                                                     (b) moon

    (c) sun                                                     (d) stars

**Answer: (c)**sun

**18. When trees are cut, amount of oxygen**

(a) decreases                                            (b) increases

    (c) both (a) and (b)                                    (d) remains same

**Answer: (a)**decreases

**19. Process through which plants reproduce:**

(a) Eating                                                        (b) Evaporation

    (c) Pollination                                                  (d) Condensation

**Answer: (c)**pollination

**20. 71% of earth surface is covered with:**

(a) land                                                            (b) air

     (c) water                                                           (d) coal

**Answer: (c)**water

21 Which of the following is not an air pollutant?

A. Smoke B.Carbon Dioxide C.Nitrogen Gas D.Sulphur Dioxide

Answer: Option C

22. Which part of plant evaporates water?

A. Stomata B.Fruit C.Branch D.Root

Answer: Option A

23Which energy is converted into electrical energy by a solar cell?

A. Chemical Energy B. Nuclear Energy C.Solar Energy D.Magnetic Energy

Answer: Option C

24. Carrier of Dengue disease is

A. Aedes Mosquito B.Culex Mosquito C.Housefly D.Anopheles Mosquito

Answer: Option A

25Maximum amount of gas found in air is

A. Oxygen B.Carbon dioxide C.Hydrogen D.Nitrogen

Answer:  D

26The gas molecules that absorb thermal infrared radiation and are present in large quantity to change the climate system are known as

1. alpha radiations
2. beta radiations
3. ozone gases
4. greenhouse gases

Ans –D

27 -The chemical substance used in industry for cold cleaning, adhesives and vapor degreasing is

1. methyl chloroform
2. carbon tetrachloride
3. halons
4. hydrocarbons

Ans –A

28-The layer of atmosphere in which the Ozone layer lies is

1. exosphere
2. mesosphere
3. troposphere
4. stratosphere

Ans –D

29-The greenhouse gases which is present in very high quantity is

1. propane
2. ethane
3. carbon dioxide
4. methane

Ans –C

30The wavelength of infrared radiations is

1. zero
2. finite
3. shorter
4. longer

Ans –D

31-The exchange of outgoing and incoming radiations that keep the Earth warm is known as

1. greenhouse effect
2. radiation effect
3. infrared effect
4. ozone layer depletion

Ans –A

32The number of atoms in ozone molecules are

1. 2
2. 3
3. 4
4. 1

Ans –B

33 -The layer which saves the life from harmful effects of UV radiations is known as

1. ozone layer
2. alpha layer
3. gamma layer
4. infrared layer

Ans –A

34 -The color of ozone molecule is

1. blue
2. white
3. pale yellow
4. pale green

Ans –A

35 -The height of ozone above the surface of Earth is

1. 30 to 50 km
2. 10 to 20 km
3. 15 to 30 km
4. 50 to 70 km

Ans –C

36-The one which is not considered as naturally occurring greenhouse gas is

1. carbon dioxide
2. methane
3. nitrous oxide
4. ethane

Ans –D

37 -The burning of fossil fuels

1. decrease greenhouse gases
2. increases greenhouse gases
3. increased level of oxygen
4. increased level of ethane

Ans –B

#### 38 -Which is a secondary air pollutant?

A Sulphur dioxide

B Nitrogen dioxide

C Photochemical smog

D Dust Particles

Ans - C

#### 39 - Persons working in cement plants and limestone quarries are more prone to disease like

 A – Silicosis B – Cancer C –Asthma D – Flourosis (bone disease)

Ans - A

#### 40 - The main industrial source of emission of hydrogen sulphide air pollutant is

A - Pulp and paper plant B – Coal based thermal power plants

C – Petroleum refineries D – Metallurgical roasting & smelting plant.

Ans -B

#### 41 - Foul odour and bad taste of water is removed by treating with

1. Bleaching Powder B –Alum

C – Activated Carbon D – Copper Sulphate

Ans -C

42 - In water treatment plant, zeolite process is used to remove the \_\_\_\_\_\_\_\_\_\_ of water.

A – Iron & Zine B – Acidity C- Alkalinity D –Hardness

Ans -D

#### 43 - \_\_\_\_\_\_\_\_\_\_ cannot control the noise pollution.

A – Use of Silencers B – Green House gases

C – Vibration Damping D – Tree Plantation

Ans –B

#### 44 - Workers working in \_\_\_\_\_\_\_\_\_\_ industry are most prone to white lung cancer.

A – Limestone mining B –Textile

C – Coal Mining D – Asbestos

Ans - B

#### 45 - The lowest layer of atmosphere is known as the

A – None B – Ionosphere C – Stratosphere D –troposphere

Ans -D

#### 46 - A standard test for determination of hardness in water is termed as \_\_\_\_\_\_\_\_\_\_ test.

 A – Electrometric B –EDTA C –total Count D –Presumptive

Ans - B

#### 47 - Presence of soluble organics in polluted water causes

A – Depletion of oxygen B – undesirable plants growth

C – Fire hazards D – Explosion hazards

Ans - A

#### 48 Noise level heard inside a bus in busy city traffic or inside a sub-way train corresponds to about \_\_\_\_\_\_\_\_\_\_ decibels.

A -75 B -120 C -140 D -95

Ans –D

49 Which of the following plays an important role in the cause of rainfall?

A. Evaporation B.Condensation C.Both evaporation & condensation D.Filtration

Ans –C

50 - What type of radiation is trapped on the earth's surface by the green house effect?

A. UV rays B.? –rays C.X-rays D.IR rays

Ans -A