

**Class: 7**  
**Subject: Science**  
**Topic: ASK1507SA2**  
**No. of Questions: 60**

BIOLOGY

Q1. Which of the following is not the effect of deforestation?

- (a) Infertility of soil.
- (b) Global warming
- (c) Soil erosion
- (d) Forest fires

Sol. (d)  
Forest fires are not the effect of deforestation. It happened due to overcrowding of plantation.

Q2. Which of the following is the correct sequence of food chain?

- (a) Zebra → Lion → Grass
- (b) Lion → Zebra → Grass
- (c) Grass → Lion → Zebra
- (d) Grass → Zebra → Lion

Sol. (d)

Q3. The study of food chains shows the \_\_\_\_ of various organisms.

- (a) Dependence
- (b) Interdependence
- (c) Independence
- (d) Non- interdependence

Sol. (b)  
The study of food chains shows the interdependence of various organisms (plants, animals, microorganisms etc.) in the environment.

Q4. \_\_\_\_ enables nutrients present in the bodies of plants and animals to go back to the soil after they die.

- (a) Producers
- (b) Primary consumers
- (c) Secondary consumers

(d) Decomposer

Sol. (d)  
Decomposer enables nutrients present in the bodies of plants and animals to go back to the soil after they die.

Q5. \_\_\_ Wood is used to make musical instruments.

- (a) Rosewood
- (b) Sandalwood
- (c) Teak wood
- (d) Cedar wood

Sol. (a)  
Indian rosewood's uniqueness lies in the fact that its wood is used to make the dhol, a musical instrument.

Q6. The human body has about \_\_\_ % water by weight.

- (a) 30
- (b) 50
- (c) 70
- (d) 90

Sol. (c)

Q7. Sea water is not potable because \_\_\_

- (a) It is salty
- (b) It has no taste
- (c) It is very hot
- (d) It is composed of microbes

Sol. (a)  
Sea water consists of various soluble salts, mainly sodium chloride. We can't consume sea water in this form, it disturbs the ionic balance of body fluids.

Q8. Which of the following periods has been proclaimed by the United Nations as the International Decade for Action on "Water for Life"?

- (a) 1990 – 2000
- (b) 1995 – 2005
- (c) 2000 – 2010
- (d) 2005 – 2010

Sol. (d)

Q9. \_\_\_\_ is jumped into clarified water to help aerobic bacteria to grow.

- (a) Heat
- (b) Biogas
- (c) Air
- (d) Carbon dioxide

Sol. (c)

Q10. Waste matter discharged from human body is called \_\_\_\_

- (a) Organic matter
- (b) Inorganic matter
- (c) Fecal matter
- (d) Dropping

Sol. (c)

Q11. Poor sanitation can cause \_\_\_\_ pollution.

- (a) Noise and soil
- (b) Water and air
- (c) Air and soil
- (d) Water and soil

Sol. (d)

Q12. Which among the following diseases is caused due to poor sanitation?

- (a) Influenza
- (b) Syphilis
- (c) AIDS
- (d) Typhoid

Sol. (d)

Q13. \_\_\_\_ serves as green lungs and water purifying system in nature.

- (a) Rivers
- (b) Air
- (c) Forest
- (d) Purifying system

Sol. (c)

Q14. Which of the following is used for make paints and varnishes?

- (a) Oil
- (b) Eucalyptus
- (c) Resins
- (d) Sandalwood

Sol. (c)

Q15. The flowers perform the function of \_\_\_\_ in plant.

- (a) Germination
- (b) Reproduction
- (c) Transpiration
- (d) Respiration

Sol. (b)

Q16. The transfer of pollen from the another of one flowers to the stigma of another flower of the same plant, or that of a different plants of the same kind, is called \_\_\_\_.

- (a) Self – pollination
- (b) Cross – pollination
- (c) Fertilization
- (d) Germination

Sol. (b)

Q17. Which of the following is known as the universal solvent?

- (a) Alcohol
- (b) Water
- (c) Petrol
- (d) Ether

Sol. (b)

A large number of substances dissolve in water. It is, therefore, called the universal solvent.

- Q18. The objective of the United Nations to declare years 2005 – 2015 as the International Decade for action on “Water for life” is to \_\_\_\_\_
- (a) Reduced by access to safe drinking water
  - (b) Improve the quality of drinking water
  - (c) Educate people about the utility of water
  - (d) Conserve water through proper utilization

Sol. (a)  
The objective of the United to declare years 2005 – 2015 as the International Decade for action on “Water for life” is to reduce by half the number of people who do not have access to safe drinking water.

- Q19. Which of the following disinfectants is used in swimming pools?
- (a) DDT
  - (b) Potassium permanganate
  - (c) Chlorine
  - (d) Slaked lime

Sol. (c)

- Q20. In vermin – composing toilets, \_\_\_\_\_ are used to treat human waste.
- (a) Tapeworms
  - (b) Earthworms
  - (c) Roundworms
  - (d) Ringworms

Sol. (b)

#### CHEMISTRY

- Q21. Humus is produced in soil due to \_\_\_\_\_
- (a) The decay of animal and plant matter
  - (b) Weathering
  - (c) Excess irrigation
  - (d) The use of fertilizers

Sol. (a)  
Humus is produced in the soil due to the decay of animal and plant matter. Humus contains organic matter.

Q22. Which one of the following is not a constituent of soil?

- (a) Organic matter
- (b) Mineral
- (c) Mineral acid
- (d) Humus

Sol. (c)

Q23. Which of the following method used to separate two miscible liquids?

- (a) Separating funnel
- (b) Seivering
- (c) Winnowing
- (d) Sublimation

Sol. (a)

Q24. The spinner in washing machine dries clothes works on the principle of

- (a) Evaporation
- (b) Sedimentation
- (c) Filtration
- (d) Centrifugation

Sol. (d)

Q25. "Combine" is used in which of the following?

- (a) Threshing
- (b) Winnowing
- (c) Sieving
- (d) Filtration

Sol. (a)

Q26. The soil that has good humus contains more \_\_\_\_.

- (a) Carbon dioxide
- (b) Air
- (c) Oxygen
- (d) Moisture

Sol. (d)

Q27. \_\_\_\_\_ is grow in clayey soil rich in water.

- (a) Wheat
- (b) Cotton
- (c) Pulses
- (d) Paddy

Sol. (d)

Q28. Which of the following is not responsible for water shortage?

- (a) Rapid growth of industries
- (b) Increasing population
- (c) Heavy rainfall
- (d) Mismanagement of water resources

Sol. (c)

Q29. Choose the correct option. The total water

- (a) In the lakes and rivers of the world remains constant.
- (b) Under the ground remains constant.
- (c) In the seas and oceans of the world remains constant
- (d) Of the world remains constant

Sol. (d)

Q30. Loamy soil is good for plants because it \_\_\_\_.

- (a) Is highly permeable
- (b) Has silt
- (c) Has humus and moderate water holding capacity
- (d) Has high water holding capacity

Sol. (c)

Q31. The process of solid changing directly in vapour form without becoming liquid is called.

- (a) Sedimentation
- (b) Sublimation
- (c) Evaporation
- (d) Condensation

Sol. (b)

Q32. Salt is obtained from sea water by using which of the following process.

- (a) Sedimentation
- (b) Condensation
- (c) Evaporation
- (d) Centrifugation

Sol. (c)

Q33. Soil texture describes the proportions of \_\_\_\_ in the soil.

- (a) Sand
- (b) Silt
- (c) Sand, silt and clay particles
- (d) Salt, clay and humus

Sol. (c)

Soil texture describes the proportions of sand silt and clay particle in the soil.

Q34. Which type of soil would be best for making pots, toys and statues?

- (a) Sandy soil
- (b) Soil rich in silt
- (c) Clayey soil
- (d) Loam soil

Sol. (c)

Q35. Hand picking method is effective in

- (a) Gaseous mixture
- (b) Solid mixture
- (c) Liquid mixture
- (d) None of these

Sol. (b)

Q36. Which of the following method used to separate two miscible liquids?

- (a) Separating funnel
- (b) Sieving
- (c) Winnowing
- (d) Sublimation

Sol. (a)



- Q37. The spinner in washing machine dries clothes works on the principle of
- (a) Evaporation
  - (b) Sedimentation
  - (c) Filtration
  - (d) Centrifugation

Sol. (d)

- Q38. The technique of watering plants by making use of narrow tubes which deliver water directly at the base of the plant is called:
- (a) Sprinkler system
  - (b) Drip irrigation
  - (c) Bawri
  - (d) Roof top harvesting

Sol. (b)  
The technique of watering plants by making use of narrow tubes which deliver water directly at the base of the plant is called drip irrigation.

- Q39. Which process helps in raising the ground water?
- (a) Baolis
  - (b) Rain water harvesting
  - (c) Drip irrigation
  - (d) Deforestation

Sol. (b)  
Rain water harvesting helps in raising the groundwater.

- Q40. Which place in India experience flood almost every year?
- (a) South East
  - (b) North East
  - (c) North West
  - (d) South West

Sol. (b)  
Some places such as North East India get so much of rain that there are floods almost every year.

- Q41. To observe the body parts of a cockroach or an earthworm, we use a \_\_\_\_.
- (a) Convex mirror
  - (b) Convex lens
  - (c) Concave mirror
  - (d) Concave lens

Sol. (b)  
To observe the body parts of a cockroach or an earthworm, we use a convex lens, which acts as a magnifying lens.

- Q42. Which of the following cannot change the direction of light?
- (a) A mirror
  - (b) A shiny spoon
  - (c) A block of wood
  - (d) A stainless steel plate

Sol. (c)  
Mirror, stainless steel plate and shiny spoon have smooth surfaces. They can change the direction of light. The surface of the block of wood is rough. Hence, it cannot change the direction of light.

- Q43. The image of an object placed in front of a plane mirror \_\_\_\_.
- (a) Can be obtained on a screen when it is placed close to the mirror.
  - (b) Can be obtained a screen when it is placed at any distance from the mirror
  - (c) Cannot be obtained on a screen
  - (d) Can be obtained on a screen when it is placed at infinity

Sol. (c)

- Q44. A dark funnel shaped cloud that reaches from the sky to the ground is called as \_\_\_\_.
- (a) Cyclone
  - (b) Tornado
  - (c) Storm
  - (d) Rainfall

Sol. (b)

- Q45. Cyclones over the warm tropical oceans are capable of producing \_\_\_\_.
- (a) Dangerous winds, torrential rains and flooding
  - (b) High speed wind
  - (c) High speed rain
  - (d) Dangerous flooding

Sol. (a)  
Cyclones over the warm tropical oceans are capable producing dangerous winds, torrential rains and flooding.

- Q46. Wind is produced due to uneven \_\_\_\_.
- (a) Density of air
  - (b) Level of land
  - (c) Heating of land
  - (d) Rainfall

Sol. (c)  
Wind is produced due to uneven heating of land. Due to the uneven heating the air pressures various from one place to another which causes the wind to blow.

- Q47. Air contracts on \_\_\_\_
- (a) Cooling
  - (b) Heating
  - (c) Supplying energy
  - (d) Increasing the temperature

Sol. (a)

- Q48. \_\_\_\_ in wind speed is accompanied by \_\_\_\_ in air pressure.
- (a) Decrease, decrease
  - (b) Decrease, increase
  - (c) Increase, increase
  - (d) Increase, decrease

Sol. (d)

- Q49. In cyclone prone areas are people must always keep ready a kit with \_\_\_\_.
- (a) Clothes
  - (b) Food items
  - (c) Toys for children
  - (d) Necessary and basic things

Sol. (d)

- Q50. People must be moved to \_\_\_\_ in advance, on forecast of cyclone.
- (a) Hilly areas
  - (b) Busy places
  - (c) Beaches
  - (d) Safer places

Sol. (d)

- Q51. To protect themselves from cyclone people must not move to \_\_\_\_ areas.
- (a) Plane
  - (b) Hilly
  - (c) Deep or under water
  - (d) Raised

Sol. (c)

- Q52. Materials which allow current to pass through them easily are called?
- (a) Insulators
  - (b) Conductors
  - (c) Switch
  - (d) Battery

Sol. (b)

- Q53. \_\_\_\_\_ are materials that do not allow electric current to pass through them.
- (a) Insulators
  - (b) Conductors
  - (c) Switch
  - (d) Battery

Sol. (a)

Q54. Which amongst the following converges light?

- (a) Convex lens
- (b) Concave lens
- (c) Plane mirror
- (d) Plano concave lens

Sol. (a)

Q55. A \_\_\_\_ mirror forms a real image of the sun.

- (a) Convex
- (b) Concave
- (c) Plane
- (d) Plano convex

Sol. (b)

Q56. The path of the light can be changed by \_\_\_\_.

- (a) A polished surface
- (b) A black body
- (c) A black surface
- (d) Passing it through vacuum

Sol. (a)

Q57. \_\_\_\_ is responsible for the disaster management in the coastal areas.

- (a) Municipality
- (b) State government
- (c) Local bodies
- (d) Social workers

Sol. (b)

Q58. Air pressure acts \_\_\_\_.

- (a) Upwards only
- (b) Downwards only
- (c) Sideward only
- (d) In all the directions

Sol. (d)

- Q59. Which one of the following statement is false?
- (a) Rubber is a bad conductor of electricity
  - (b) In general metals are good conductor of electricity
  - (c) Our body is a bad conductor of electricity
  - (d) The bulb glows only when current flows through the circuit.

Sol. (c)

- Q60. Which one of the following will allow electric current to pass through?
- (a) Eraser
  - (b) Matchsticks
  - (c) Plastic comb
  - (d) Iron Nail

Sol. (d)

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