

**CBSE  
Class VI  
Science Term 1  
Sample Paper -2**

**Biology**

1) Deficiency of \_\_\_\_ leads to poor muscle development in children.

- (A) vitamins
- (B) proteins
- (C) fats
- (D) carbohydrates

**Sol. (B)**

Deficiency of proteins leads to poor muscle development in children.

2) The natural place where organisms grow and live is called its \_\_\_\_.

- (A) habit
- (B) house
- (C) habitat
- (D) surrounding

**Sol. (C)**

The natural place where organisms grow and live is called its habitat.

3) The process of getting manure from biodegradable wastes by adding earthworms is called \_\_\_\_.

- (A) vermiculture
- (B) horticulture
- (C) sericulture
- (D) agriculture

**Sol. (A)**

Vermiculture is a process in which red worms are added/reared on biodegradable wastes (like dead and decaying remains of plants and animals) to convert it into manure.

4) Which of the following living beings are known for growth throughout their life?

- (A) Bacteria
- (B) Tree
- (C) Human
- (D) Animal

**Sol. (B)**

A plant, such as a tree, keeps growing throughout its life.

5) Suppose you accidentally sit on a drawing pin. You would jump up quickly. The pricking of the pin is called the \_\_\_\_.

- (A) response
- (B) paining reaction
- (C) quick reaction
- (D) stimulus

**Sol. (D)**

The pricking of the pin is called the stimulus.

6) Sugar is an important ingredients part of food, which is obtained from?

- (A) Rice and potato
- (B) Sugar and sweet sugar
- (C) Sugarcane and beet root
- (D) Sweet sugar and potato

**Sol. (C)**

Sugar is an important ingredients part of food, which is obtained from sugarcane and beet root.

7) Which of the following plant develops tendrils?

- (A) Mustard plant
- (B) Pea plant
- (C) Rose plant
- (D) Guava plant

**Sol. (B)**

Pea plant develops tendrils.

8) Which natural resource constitutes the most part of cell?

- (A) Proteins
- (B) Vitamins
- (C) Water
- (D) Minerals

**Sol. (C)**

Water constitutes the most part of cell.

9) The upper part of the ear is made up of \_\_\_\_.

- (A) cartilage
- (B) ligament
- (C) tendon
- (D) bone

**Sol. (A)**

The upper part of the ear is made up of cartilage.

10) The bones in our body also form a frame work to give shape to our body. This frame work is called \_\_\_\_.

- (A) spine
- (B) pelvic girdle
- (C) skeleton
- (D) sternum

**Sol. (C)**

The bones in our body also form a frame work to give shape to our body. This frame work is called the skeleton.

11) Biological catalyst that breakdown the food into simpler form is called?

- (A) Bases
- (B) Enzyme
- (C) Alkalies
- (D) Acids

**Sol. (B)**

Biological catalyst that breakdown the food into simpler form is called Enzyme.

**12)** Which of the following waste disposal methods produce polluting gases?

- (A) Recycling
- (B) Segregation
- (C) Incineration
- (D) Composting

**Sol. (C)**

Incineration is the waste disposal method that produces polluting gases.

**13)** Plants and animals are interdependent to each other for

- (A) Water
- (B) Minerals
- (C) Food
- (D) Exchange of gases

**Sol. (D)**

Plants and animals are interdependent to each other for exchange of gases.

**14)** Which of the following process plays important role in bringing back the atmospheric water on earth?

- (A) Melting
- (B) Evaporation
- (C) Condensation
- (D) Freezing

**Sol. (C)**

Condensation plays important role in bringing back the atmospheric water on earth.

**15)** A biennial plant is one which

- (A) Complete their life cycle in two years
- (B) Complete their life cycle twice in single year

- (C) Flowers every two years
- (D) Complete their life cycle in one year

**Sol. (A)**

A biennial plant is one which completes their life cycle in two years.

**16)** Night blindness of is caused by the deficiency of?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

**Sol. (B)**

Night blindness of is caused by the deficiency of Vitamin A

**17)** Ultimate source of energy required by living organism is

- (A) Fossils fuels
- (B) Coal
- (C) Plants
- (D) Solar energy

**Sol. (D)**

Ultimate source of energy required by living organism is solar energy.

**18)** Which of the following metabolic activity is responsible for replacing and repairing the tissues?

- (A) Reproduction
- (B) Cell division
- (C) Digestion
- (D) Growth

**Sol. (B)**

Cell division is the metabolic activity that responsible for replacing and repairing the tissues.

19) Which of the following is the best method of waste disposal?

- (A) Landfill method
- (B) Throwing waste in open pit
- (C) Incineration
- (D) Composting

**Sol. (D)**

Composting is the best method of waste disposal. A landfill uses a lot of land. Incineration produces polluting gases. Throwing waste in open pits cause pollution.

20) In the grains, pulses, vegetables, and fruits, \_\_\_\_\_ is present in bulk amounts.

- (A) carbohydrates
- (B) vitamins
- (C) minerals
- (D) Roughage

**Sol. (D)**

In the grains, pulses, vegetables, and fruits, roughage is present in bulk amounts.

### Physics

21) Which of the following does not involve a combination of motions?

- (A) Earth
- (B) Pendulum
- (C) Bike
- (D) rolling ball

**Sol. (B)**

Pendulum does not involve a combination of motion, while Earth involves circular and rotatory motion, Bike involves linear and circular motion and rolling ball involves circular and linear motion.

**22)** Which of the following is not a unit of measurement of distance?

- (A) Meter
- (B) Feet
- (C) Kilometer
- (D) Kilogram

**Sol.** (D)

Kilogram is a unit of measurement of mass. Meter, feet and kilometer are the units of length.

**23)** Which of the following is considered as greatest invention for mode of transport?

- (A) Motor
- (B) Aeroplane
- (C) Wheel
- (D) Steamer

**Sol.** (C)

Wheel is considered as greatest invention for mode of transport.

**24)** An inverted image is the characteristic of a \_\_\_\_\_.

- (A) shadow
- (B) pin hole camera
- (C) reflected image
- (D) laterally inverted image

**Sol.** (B)

An inverted image is the characteristic of a pin hole camera.

**25)** Lodestone is a

- (A) Stone having magnetic property
- (B) Stone having dark black colour
- (C) Soft stone having shining surface
- (D) Stone having iron

**Sol.** (A)

Lodestone is a stone having magnetic property.

**26)** Rain water is?

- (A) Bad conductor of electricity
- (B) Super conductors
- (C) Resistors
- (D) Good conductor of electricity

**Sol.** (D)

Rain water is good conductor of electricity.

**27)** Which type of magnet is used in cranes to lift heavy container from ship?

- (A) Permanent magnet
- (B) Electromagnet
- (C) Cylindrical magnet
- (D) Horse-shoe magnet

**Sol.** (B)

Electromagnet is used in cranes to lift heavy container from ship.

**28)** In regular reflection

- (A) Reflected rays are perpendicular to each other
- (B) Reflected rays intersect each other
- (C) Refracted rays are parallel to each other
- (D) Reflected rays are parallel to each other

**Sol.** (D)

In regular reflection, reflected rays are parallel to each other

**29)** Stars are luminous body but planets are?

- (A) Non-luminous
- (B) Luminous during night
- (C) Luminous during day only
- (D) Also luminous

**Sol.** (A)

Stars are luminous body but planets are non-luminous body.



**30)** Motion that repeats itself after fixed intervals of time is called \_\_\_\_ motion.

- (A) circular
- (B) periodic
- (C) rectilinear
- (D) curvilinear

**Sol. (B)**

Motion that repeats itself after fixed intervals of time is called periodic motion.

**31)** Magnet was discovered by?

- (A) Neutron
- (B) J.C.Bose
- (C) C.V.Raman
- (D) Magnes

**Sol. (D)**

Magnet was discovered by Magnes.

**32)** Which instrument is used to measure potential difference?

- (A) Voltmeter
- (B) Ohmmeter
- (C) Galvanometer
- (D) Ammeter

**Sol. (A)**

Voltmeter is used to measure potential difference.

**33)** Fuse is a safety device which is made up of?

- (A) Alloy of high melting point
- (B) Alloy of low melting point
- (C) Pure metal of high melting point
- (D) Pure metal of low melting point

**Sol. (B)**

Fuse is a safety device which is made up of Alloy of low melting point.

**34)** Time interval of 1000 years is called?

- (A) Decade
- (B) Century
- (C) Trillion
- (D) A millennium

**Sol. (D)**

Time interval of 1000 years is called a millennium.

**35)** Distance covered by a body can be calculated by?

- (A) Dividing speed with time
- (B) Multiplying speed with time
- (C) Adding speed and time
- (D) Multiplying mass with time

**Sol. (B)**

Distance covered by a body can be calculated by multiplying speed with time.

**36)** Which of these does not allow the current to pass through it?

- (A) Copper rod
- (B) Iron rod
- (C) Brass rod
- (D) Bakelite rod

**Sol. (D)**

Bakelite rod does not allow the current to pass through it.

**37)** Number of vibration per second is called?

- (A) Motion
- (B) Frequency
- (C) Speed
- (D) Wavelength

**Sol. (B)**

Number of vibration per second is called frequency.

38) Artificial magnets are made of?

- (A) Silver and copper
- (B) Iron or steel
- (C) Nickel and iron
- (D) Cobalt and copper

**Sol. (B)**

Artificial magnets are made of Iron or steel.

39) Length of a wire is doubled than its resistivity will?

- (A) Became one-fourth
- (B) Reduced to halves
- (C) Get doubled
- (D) Remain same

**Sol. (D)**

Length of a wire is doubled than its resistivity will remain same.

40) Galvanometer is used in.

- (A) Detection of current
- (B) Measuring voltage
- (C) Detecting heat
- (D) Measuring current

**Sol. (A)**

Galvanometer is used in detection of current.

### Chemistry

41) \_\_\_\_\_ is an irreversible change.

- (A) Formation of ice
- (B) Melting of ice
- (C) Melting of wax
- (D) Burning of coal

**Sol. (D)**

Burning of coal is an irreversible change.

42) Which of the following is not a natural fabric?

- (A) Silk
- (B) Nylon
- (C) Cotton
- (D) Wool

**Sol.** (B)

Nylon is not a natural fabric; it is a synthetic fabric. Silk, cotton and wool are natural fabrics.

43) Chocolates, biscuits and other items are displayed in a shop in see-through containers that are made of glass or plastic. This explains the property of \_\_\_\_ of glass and plastic.

- (A) hardness
- (B) opaqueness
- (C) softness
- (D) transparency

**Sol.** (D)

Chocolates, biscuits and other items are displayed in a shop in see-through containers that are made of glass or plastic. This explains the property of transparency of glass and plastic.

44) Which one of the following techniques would not be used to separate soil and water?

- (A) Sedimentation
- (B) Decantation
- (C) Winnowing
- (D) Filtration

**Sol.** (C)

Winnowing cannot be used to separate soil and water. Winnowing is used to separate heavier and lighter components of a mixture by wind or by blowing air.

45) CNG stands for

- (A) Compressed neutral gas
- (B) Compressed natural gas
- (C) Common natural gas
- (D) Compound natural gas

**Sol. (B)**

CNG stands for compressed natural gas.

**46)** Which of the following should not be burnt?

- (A) Husk
- (B) Jute
- (C) Paper
- (D) Plastic

**Sol. (D)**

All kinds of plastics give out harmful gases, upon heating or burning.

**47)** Naphthalene is used to

- (A) Increase the taste of food
- (B) Protect woolen clothes
- (C) Colour the clothes
- (D) All of these

**Sol. (B)**

Naphthalene is used to protect woolen clothes.

**48)** When iron blade is fixed to wooden handle it is fitted

- (A) By cooling than heating
- (B) By boiling than cooling
- (C) By freezing
- (D) By heating than cooling

**Sol. (D)**

When iron blade is fixed to wooden handle it is fitted by heating than cooling.

**49)** Why is woolen yarn stronger than cotton yarn?

- (A) More fibres are twisted together to form woolen yarn
- (B) Woolen yarn is made up of protein but cotton yarn is made of cellulose.
- (C) Animal fibres are always stronger
- (D) Woolen fibres are smaller than cotton yarn

**Sol. (A)**

Woolen yarn is stronger than cotton yarn because more fibres are twisted together to form woolen yarn

**50) Which of the following is an example of physical change?**

- (A) A bud turning into flower
- (B) Ripening of fruit
- (C) Boiling of water
- (D) Rusting of iron

**Sol. (C)**

Boiling of water is an example of physical change

**51) Butter paper and thick sheet of plastics are example of**

- (A) Volatile object
- (B) Transparent object
- (C) Opaque object
- (D) Translucent object

**Sol. (D)**

Butter paper and thick sheet of plastics are example of translucent object.

**52) The material which has lustre is**

- (A) Plastic
- (B) Rubber
- (C) Iron
- (D) Wood

**Sol. (C)**

The material which has lustre is iron.

**53) The industry related to fabric and clothing is called**

- (A) Agro industry
- (B) Textile industry
- (C) Petrochemical industry
- (D) Fabric industry

**Sol. (B)**

The industry related to fabric and clothing is called Textile industry

**54)** Suppose you are making some tea, and have boiled water and added tea leaves to the water. Then you realize that you cannot find the strainer. You look for a clean piece of cloth, but do not find one. What method would you like to apply for a cup of tea without leaves?

- (A) Sieving
- (B) Evaporation
- (C) Decantation
- (D) Filtration

**Sol. (C)**

The tea leaves can be separated from the tea by decantation. Keep the tea with the leaves aside for some time. The tea leaves settle down. The clear tea from the top can be poured into a cup.

**55)** Which of the following is not a characteristic of chemical change?

- (A) Formation of precipitate
- (B) Change in colour
- (C) Evolution of gas
- (D) Change in state

**Sol. (D)**

Change in state is not a characteristic of chemical change.

**56)** The property of burning of a substance to produce heat and light is called

- (A) Malleability
- (B) Combustibility
- (C) Solubility
- (D) Conductivity

**Sol. (B)**

The property of burning of a substance to produce heat and light is called combustibility.

**57)** Animals living in cold climates have thick layer of hair because

- (A) Hairs are good conductor of heat

- (B) Hairs make animals fatty
- (C) Hairs are bad conductor of heat
- (D) Hairs make body beautiful

**Sol. (C)**

Animals living in cold climates have thick layer of hair because Hairs are bad conductor of heat

**58)** Combine is used for

- (A) Harvesting and threshing
- (B) Threshing and sedimentation
- (C) Harvesting and storing
- (D) Threshing and winnowing

**Sol. (A)**

Combine is used for harvesting and threshing.

**59)** Synthetic fibers are not preferred in summer because

- (A) Difficult to maintain
- (B) Easily dry up
- (C) Air space is large
- (D) Air space is absent

**Sol. (D)**

Synthetic fibers are not preferred in summer because air space is absent.

**60)** Which of the following material is best conductor of electricity?

- (A) Aluminium
- (B) Silver
- (C) Copper
- (D) Iron

**Sol. (B)**

Silver is best conductor of electricity