

**CBSE Board
Class VI
Science Term II
Sample Paper - 3**

Physics

- Q1.** Which of the following statements is incorrect regarding the symbol used for a unit of a physical quantity?
- (a) The symbol named after scientists should have capital letter.
 - (b) They take plural forms
 - (c) They can be written full
 - (d) They should be written only in agreed symbols.
- Q2.** What kind of motion a bullet shows when fired from a gun?
- (a) Linear motion
 - (b) Translatory motion
 - (c) Random motion
 - (d) Non-periodic motion
- Q3.** To and fro movement of a body is termed as:
- (a) Periodic motion
 - (b) Vibratory motion
 - (c) Oscillatory motion
 - (d) None of these
- Q4.** In circular motion, the
- (a) Direction of motion is fixed
 - (b) Direction of motion changes continuously
 - (c) Acceleration is zero
 - (d) Velocity is constant
- Q5.** Consider the motion changes of the tip of the minute hand of a clock. In one hour
- (a) The distance covered is zero
 - (b) The displacement is zero
 - (c) The average speed is zero
 - (d) None of these

- Q6.** Which of the following explains why air is not visible?
(a) It is nearly a perfect transparent substitute
(b) It neither absorbs nor reflects light.
(c) It transmits whole of light
(d) All of these
- Q7.** The shape of the shadow depends upon
(a) Size of the object
(b) Position of the source of light
(c) Size of source of light
(d) Shape of the object.
- Q8.** What happens when you increase the distance between the pinhole and the screen in a pinhole camera increases?
(a) The size of the image changes
(b) The brightness of the image changes
(c) The image remains inverted
(d) All of these
- Q9.** Ahmad looked up at the night sky and observed the things he could see. From the things he could see, he made a list of sources of light in the night sky. His list should include?
1. Moon 2. Stars 3. Clouds
(a) 1 only
(b) 3 only
(c) 1 and 2
(d) 2 and 3
- Q10.** If the sun is above your head, the shadow formed would be:
(a) Shortest
(b) Longest
(c) Sometimes short, sometimes long
(d) Absent
- Q11.** Rohan's torch does not light up. This is because
(a) The positive terminal of one battery is not connected to the negative terminal of the next battery
(b) The metal tip of the bulb is not connected to one of the batteries
(c) The batteries are connected in parallel
(d) There is a gap between the batteries

- Q12.** A thin coil of metal in a bulb, which glows when electricity is passed through it, is called:
- (a) Insulator
 - (b) Filament
 - (c) Bulb
 - (d) Switch
- Q13.** Which of these allows conduction of electricity?
- (a) Wooden rod
 - (b) Stainless steel spoon
 - (c) Rubber sandal
 - (d) Plastic tumbler
- Q14.** What can be placed between the open ends of a circuit to light a bulb?
1. Needle 2. Iron nail 3. Copper coin 4. Wooden piece
- (a) 1 and 3
 - (b) 2 and 3
 - (c) 1, 2, and 3
 - (d) All of these
- Q15.** “Do not handle electric wires with your bare hands. Wear rubber gloves”, said Mr. Gupta. Which of the following statements is not true about what Mr. Gupta commented?
- (a) You will get electrocuted if handle live wires
 - (b) The rubber glove is a good insulator to protect us from electric shocks
 - (c) The rubber gloves control the electric current flow.
 - (d) Electricity cannot flow through rubber
- Q16.** Which of the following is attracted by magnet?
- (a) Glass
 - (b) Plastic
 - (c) Gold
 - (d) Iron
- Q17.** Soft iron pieces placed across the ends of bar magnets when stored, are called:
- (a) Compasses
 - (b) Keepers
 - (c) Preservers
 - (d) Poles
- Q18.** Magnet was first discovered about 5000 years ago in the rocks of:
- (a) Meghalaya
 - (b) Manipur
 - (c) Magnesia
 - (d) Munich

- Q19.** Which of the following is not a magnetic substance?
(a) Cobalt
(b) Nickel
(c) Iron
(d) Silver
- Q20.** Magnetic strength of the magnet is:
(a) Concentrated in the centre of magnet
(b) Concentrated at one of the poles of the magnet
(c) Concentrated at both the poles of the magnet
(d) Distributed uniformly throughout magnet

Chemistry

- Q21.** Which of the following does not conduct electricity:
(a) Plastic rod
(b) Copper rod
(c) Iron bar
(d) Wet wooden block
- Q22.** If a substance can be beaten into thin sheet, it is called:
(a) Ductile
(b) Malleable
(c) Brittle
(d) None of these
- Q23.** Perfume is a substance which is:
(a) Volatile
(b) Non-volatile
(c) Malleable
(d) None of these
- Q24.** Which of the following is a combustible metal?
(a) Nickel
(b) Sodium
(c) Steel
(d) Copper

- Q25.** The state of matter which has a definite volume but no definite shape:
- (a) Solid
 - (b) Liquid
 - (c) Gas
 - (d) Mixture of substances
- Q26.** The separation of grains from husk is done by the process of:
- (a) Handpicking
 - (b) Sieving
 - (c) Winnowing
 - (d) Threshing
- Q27.** Salt is obtained from sea water mainly by the process of:
- (a) Decantation
 - (b) Filtration
 - (c) Evaporation
 - (d) Condensation
- Q28.** A mixture contains 3 different substances X, Y and Z. They are of same size and colour. X particles are heavy and non-magnetic, Y particles are light and non-magnetic while Z particles are magnetic. Which of these methods can be used to separate these particles?
- (a) Handpicking followed by filtration
 - (b) Winnowing followed by magnetic separation
 - (c) Magnetic separation followed by sieving
 - (d) Sublimation followed by magnetic separation
- Q29.** Select an incorrect reason for separating components of a mixture.
- (a) To separate 2 or more different but useful components
 - (b) To remove undesirable and useless components
 - (c) To remove pure or harmless components
 - (d) To obtain pure sample of substance
- Q30.** Chalk powder suspension in water can be separated by:
- (a) Filtration
 - (b) Evaporation
 - (c) Condensation
 - (d) Decantation
- Q31.** In a chemical change:
- (a) Molecules of the substance do not change
 - (b) Molecules of a substance change
 - (c) Change is reversible
 - (d) Substance remains same

- Q32.** A metallic piece (X) is dropped into copper sulphate solution. After sometime, the blue colour of the solution changes to green. The change which has occurred is
- (a) Physical and reversible change
 - (b) Physical and irreversible change
 - (c) Chemical and reversible change
 - (d) Chemical and irreversible change
- Q33.** Reema's mother has done some preparations for her birthday party. Which of the following changes can be reversed?
- (a) Baking cake in an oven
 - (b) Burning of a candle
 - (c) Rolling a ball of dough and making it to make kulcha
 - (d) Blowing of balloon
- Q34.** Which of the following items has definite volume and shape?
- (a) Water vapour
 - (b) Milk
 - (c) Aluminium foil
 - (d) Oxygen
- Q35.** Which of the following is an example of chemical change?
- (a) Melting of wax
 - (b) Burning of candle wick
 - (c) Heating of iron rod
 - (d) Woollen yarn to knitted sweater
- Q36.** The cycle which links clouds, rain, sea, surface water, and underground water is called
- (a) Water reservoir
 - (b) Water cycle
 - (c) Water circulation
 - (d) Transpiration
- Q37.** Water is a natural resource which is:
- (a) Exhaustible
 - (b) Exhaustible as well as inexhaustible
 - (c) Inexhaustible
 - (d) All the above
- Q38.** Of the total amount of water present on the earth, the water available for human use is about:
- (a) 10%
 - (b) 20%
 - (c) 1%
 - (d) 2%

- Q39.** The purest form of water is:
(a) Spring water
(b) Subsoil water
(c) Rainwater
(d) Hand pump water
- Q40.** An example of underground water is:
(a) River
(b) Lake
(c) Sea
(d) Well

Biology

- Q41.** Which of the following food items are sources of sucrose, starch and cellulose respectively?
(a) Meat, fish and potatoes
(b) Spinach, corn and meat
(c) Table sugar, rice and grass
(d) Fruits, eggs and wheat
- Q42.** Which of the following options contains foods obtained from roots of the plant?
(a) Spinach, cabbage, coriander
(b) Potato, mango, broccoli
(c) Sugarcane, onion, beetroot
(d) Radish, turnip, carrot
- Q43.** Pulses are rich source of:
(a) Fibre
(b) Roughage
(c) Minerals
(d) Proteins
- Q44.** Night blindness is caused by the deficiency of:
(a) Vitamin C
(b) Vitamin K
(c) Vitamin D
(d) Vitamin A
- Q45.** Fats provide much more energy as the same amount of:
(a) Proteins
(b) Roughage
(c) Vitamins
(d) Carbohydrates

- Q46.** Cotton was first produced in:
(a) Egypt
(b) India
(c) China
(d) Europe
- Q47.** Which of the following options describes the advantage of synthetic fibres?
(a) They are stronger and dry easily
(b) They do not wrinkle
(c) They are not attacked by moths and other insects
(d) All of the above
- Q48.** Sakshi wanted to test the quality of her dress. She pulled a small strand of yarn from the dress and burned it. It smelled like a burning paper. She inferred that the dress is made of pure_____.
(a) Wool
(b) Cotton
(c) Silk
(d) None of these
- Q49.** Bast fibres are found in the stems of the plants and provide strength to the plants. They are generally very long. An example of bast fibres is _____.
(a) Flax
(b) Hemp
(c) Jute
(d) All of these
- Q50.** Average life span of humans:
(a) 40 to 60 years
(b) 60 to 80 years
(c) 50 to 70 years
(d) 70 to 100 years
- Q51.** The leather, of which your shoes are made:
(a) Is non-living
(b) Is living
(c) Was once living but now non-living
(d) Was once non-living but now living
- Q52.** The male part of flower is:
(a) Ovary
(b) Sepal
(c) Stamen
(d) Pistil

- Q53.** Amoeba is:
(a) Unicellular
(b) Bicellular
(c) Multicellular
(d) Acellular
- Q54.** Which of the following plants is a shrub:
(a) Coriander
(b) Mint
(c) Bougainvillea
(d) Radish
- Q55.** Leaves of which of these plants show parallel venation?
(a) Banyan
(b) Neem
(c) Bamboo
(d) Eucalyptus
- Q56.** The joint formed by thigh bone and hip bone is an example of:
(a) Fixed joint
(b) Hinge joint
(c) Ball and socket joint
(d) Pivot joint
- Q57.** What are produced in the bone marrow?
(a) WBC
(b) RBC
(c) Platelets
(d) All of these
- Q58.** Which of these have least number of movable joints?
(a) Backbone
(b) Skull
(c) Legs and feet
(d) Arms and hands
- Q59.** Which of these adaptations is not shown by a camel or living in desert?
(a) Has a bump on its back
(b) Passes scanty urine
(c) Perspires a lot
(d) The sole of the feet have sort of pads

- Q60.** Which of the following is non-biodegradable?
- (a) Cardboard
 - (b) Cotton cloth
 - (c) Leather shoes
 - (d) Glass bottle