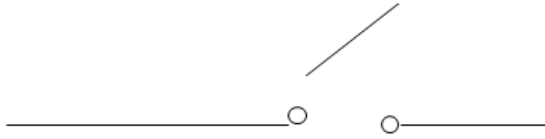


CBSE
Class VI
Science Term 1
Sample Paper - 3

Physics

- Q1.** One centimetre on a scale is divided into 20 equal divisions. The least count of this scale is
- (a) 20 cm
 - (b) 1 mm
 - (c) 0.1 mm
 - (d) 0.5 mm
- Q2.** A cyclist moves from a certain point P and goes round a circle of radius a and reaches Q, exactly at the other side of the point P. The displacement of the cyclist would be
- (a) πa
 - (b) $2\pi a$
 - (c) $2a$
 - (d) $2\pi/a$
- Q3.** The motion of the arms of a soldier marching along the road is
- (a) Circular
 - (b) Oscillatory
 - (c) Rotatory
 - (d) Non-periodic
- Q4.** The smallest time measured by a wrist watch accurately is
- (a) 1 millisecond
 - (b) 60 second
 - (c) 1 second
 - (d) 1 hour
- Q5.** Which of the following statements is false?
- (a) The motion of a swing is rectilinear as well as circular
 - (b) A guitar shows vibratory motion
 - (c) Pendulum of a clock shows oscillatory motion
 - (d) A ceiling fan shows rotator motion.

- Q6.** The image of an object formed in the water is
- (a) Erect
 - (b) Diminished
 - (c) Inverted
 - (d) None of these
- Q7.** When Abhishek looked at a lighted torch through an object he could see faint glow, but not the torch. The object is
- (a) Transparent
 - (b) Opaque
 - (c) Translucent
 - (d) None of these
- Q8.** The essential condition for the formation of shadow is
- (a) There should be an opaque material
 - (b) There should be a source of light
 - (c) The object must be placed in the path of light
 - (d) All of these
- Q9.** In domestic wiring, the neutral wire has which of the following colours?
- (a) Black
 - (b) White
 - (c) Green
 - (d) Red
- Q10.** In a circuit having one bulb, another bulb is added parallel, then the bulb will
- (a) Not glow
 - (b) Glow but less brightly
 - (c) Glow more brightly
 - (d) Get fused
- Q11.** What can be placed between the open ends to light up the bulb?
1. Needle, 2. Iron nail, 3. Copper coin, 4. Wooden piece
- (a) 1 and 2
 - (b) 2 and 3
 - (c) 1,2 and 3
 - (d) All of these



Q12.

What is the function of the component shown above?

- (a) It is used to connect the bulb to the other components of the circuit.
- (b) It provides energy for the bulb to glow.
- (c) It controls the flow of current in a circuit.
- (d) It measures the current in a circuit.

Q13. When two or more cells are joined together it forms a

- (a) Dynamo
- (b) Transistor
- (c) Battery
- (d) Insulator

Q14. Which of these does not allow the electric current to pass through it?

- (a) Bakelite rod
- (b) Copper rod
- (c) Brass rod
- (d) Iron rod

Q15. You should not store a floppy disk near a magnet because

- (a) The magnet will rust.
- (b) The magnet will become weaker.
- (c) The information in the disk may be erased.
- (d) The magnet will break the disk.

Q16. How many poles are present in a magnet?

- (a) One
- (b) Two
- (c) Three
- (d) Four

- Q17.** Which of the following groups of items is needed to make an electromagnet?
- (a) An iron nail, a battery and a copper wire.
 - (b) An iron nail, a battery and a light bulb
 - (c) An iron nail, copper wire and a light bulb.
 - (d) None of these
- Q18.** In which of the following a permanent magnet is not used?
- (a) In magnetic door catches
 - (b) Loudspeaker
 - (c) In compasses
 - (d) None of these
- Q19.** Consider the motion 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
- Q20.** In which of the following cases, the frictional force between the tyres of a car and the road increase?
- (a) When road is wet
 - (b) When the speed of the car increases
 - (c) When the surface area of the tyres in contact with the road increases.
 - (d) When there are more passengers in the car.

Chemistry

- Q21.** A pure substance is one which
- (a) has a uniform texture throughout
 - (b) has a fixed boiling point or melting point
 - (c) is made up of only one type of particles
 - (d) All of the above

- (b) Baking the pots in furnace
 - (c) Both shaping and baking pots
 - (d) None of these
- Q27.** Which of the following is a permanent, chemical and irreversible change
- (a) Melting of ice
 - (b) Boiling of water
 - (c) Rusting
 - (d) Condensation
- Q28.** What is common among the following phenomena?
1. Blinking of traffic light, 2. Rotating of blades of fan, 3. Swinging of pendulum clock
- (a) All are chemical changes
 - (b) All are periodic changes
 - (c) All are undesirable changes
 - (d) All are irreversible changes
- Q29.** Chemical changes are:
- (a) Always reversible
 - (b) Always irreversible
 - (c) Mostly irreversible
 - (d) Mostly reversible
- Q30.** In a physical change:
- (a) New substance is formed
 - (b) No new substance is formed
 - (c) All of the above
 - (d) None of the above
- Q31.** The factor that affects states of water:
- (a) Atmosphere
 - (b) Temperature
 - (c) Height
 - (d) Human beings

- Q32.** Water melts to form:
- (a) Steam
 - (b) Water vapour
 - (c) Ice
 - (d) Liquid
- Q33.** Falling of water drops of clouds is known as:
- (a) Fog formation
 - (b) Precipitation
 - (c) Condensation
 - (d) Vaporization
- Q34.** Loss of water as vapour from leaves of plants is termed as:
- (a) Evaporation
 - (b) Guttation
 - (c) Transpiration
 - (d) Bleeding
- Q35.** Identify the incorrect statement:
- (a) Water evaporates all the time
 - (b) Water evaporates only when heated
 - (c) Water vapours condense if cooled
 - (d) Water exists only in 3 states
- Q36.** The nitrogen content in the air is:
- (a) 78%
 - (b) 88%
 - (c) 68%
 - (d) 21%
- Q37.** The active part of air is:
- (a) Carbon dioxide
 - (b) Oxygen
 - (c) Carbon monoxide
 - (d) Rare gases

- Q38.** Which is incorrect statement about oxygen?
- (a) It is 21% part of the air.
 - (b) It helps in burning
 - (c) It burns when comes in contact with flame.
 - (d) It helps in respiration
- Q39.** The presence of air around can be proved by:
- (a) Seeing it
 - (b) Smelling it
 - (c) Its colour
 - (d) Feeling it when it moves
- Q40.** Which of the following applies to nitrogen?
- (a) It helps in respiration of living organisms
 - (b) It helps in photosynthesis
 - (c) It is 78% by volume in air
 - (d) It helps in burning

Biology

- Q41.** Sea food specially sea weeds are rich source of which of the following minerals?
- (a) Calcium
 - (b) Phosphorus
 - (c) Iodine
 - (d) Iron
- Q42.** Select an incorrect match
- | Minerals | Deficiency disease |
|----------------|--------------------|
| (a) Iron | Anaemia |
| (b) Calcium | Rickets |
| (c) Iodine | Goitre |
| (d) Phosphorus | Marasmus |

- Q43.** Cinchona, isabgol, neem, rauwolfia are
- (a) Oil yielding plants
 - (b) Medicinal plants
 - (c) Fibre yielding plants
 - (d) Food plants
- Q44.** Fibres are separated from the seeds of cotton balls by the process of
- (a) Winnowing
 - (b) Threading
 - (c) Ginning
 - (d) Spinning
- Q45.** Which of these plant fibres is obtained from seeds?
- (a) Cotton
 - (b) Jute
 - (c) Flax
 - (d) Coir
- Q46.** The process of rearing silkworms for the production of silk is known as _____.
- (a) Sericulture
 - (b) Siilviculture
 - (c) Horticulture
 - (d) All the above
- Q47.** By looking at a plant in the garden, Rohan came to know that it has fibrous roots. What led Rohan to this conclusion?
- (a) Arrangement of flowers on stem.
 - (b) Arrangement of branches on stem
 - (c) Type of fruits on the plants
 - (d) Type of venation in leaves
- Q48.** Amoeba is:
- (a) Unicellular
 - (b) Bicellular
 - (c) Multicellular
 - (d) Acellular

- Q49.** What are structural and functional units of life?
(a) Muscles
(b) Bones
(c) Tissues
(d) Cells
- Q50.** All animals are _____ in their mode of nutrition.
(a) Autotrophic
(b) Heterotrophic
(c) Saprotrophic
(d) None of these
- Q51.** The most colourful part of a flower is
(a) Petal
(b) Sepal
(c) Pistil
(d) Stamen
- Q52.** Which part of the flower turns into fruit?
(a) Calyx
(b) Anther
(c) Stigma
(d) Ovary
- Q53.** Fixed joint is found in:
(a) Cranium
(b) Knee
(c) Fingers
(d) Elbow
- Q54.** The total number of bones in human skeleton are:
(a) 206
(b) 196
(c) 296
(d) 106

- Q55.** The backbone consists of:
- (a) 13 vertebrae
 - (b) 23 vertebrae
 - (c) 33 vertebrae
 - (d) 43 vertebrae
- Q56.** Xerophytes are plants found in:
- (a) Sea
 - (b) Ponds
 - (c) Marshes
 - (d) Deserts
- Q57.** Which of the following is a biotic component?
- (a) Water
 - (b) Air
 - (c) Decomposer
 - (d) Soil
- Q58.** Example of municipal solid waste is
- (a) Paper
 - (b) Batteries
 - (c) Packaging material
 - (d) All of the above
- Q59.** Which of the following is biodegradable?
- (a) Orange peel
 - (b) Aluminium foil
 - (c) Aluminium
 - (d) Plastic bottle
- Q60.** Some animals hibernate to adapt for
- (a) Escaping hot weather
 - (b) Escaping cold weather
 - (c) Escaping from enemies
 - (d) Preventing loss of water from the body