

CTET/ TET Teacher Eligibility Test Science Solved Question Paper-1

1. Bakelite is used in making electrical appliances because it is a

- (1) thermoplastic
- (2) good conductor of heat
- (3) good conductor of electricity
- (4) good insulator of electricity

Ans: (4)

2. In which of the following cases of motion, are the distance moved and the magnitude of displacement equal ?

- (1) A car moving on a straight road
- (2) A car moving in a circular path
- (3) A pendulum oscillating to and fro
- (4) The Earth revolving around the Sun

Ans: (1)

3. LED and CFL are very commonly used as sources of light in homes. Which of the following statements is true ?

- (1) CFL is better because LED contains toxic materials
- (2) LED is better because CFL contains toxic materials
- (3) Both are equally good
- (4) Neither of them is good because both contain toxic materials

Ans: (2)

4. An air bubble inside water behaves like a

- (1) concave lens
- (2) convex lens
- (3) plano-convex lens
- (4) concave mirror

Ans: (1)

5. A feather weighing 5 gm and a nail weighing 10 gm have the same kinetic energy. Which of the following statements is true about the momentum of the two bodies ?

- (1) The lighter body will have higher momentum
- (2) The heavier body will have higher momentum

CTET/ TET Teacher Eligibility Test Science Solved Question Paper-1

(3) Both will have equal momentum

(4) It is not possible to compare the momentum. of two objects

Ans: (2)

6. If the pressure over a liquid increases, its boiling point

(1) decreases

(2) Increases

(3) does not change

(4) first decreases and then increases

Ans: (2)

7. A doctor prescribes a medicine to treat hyperacidity. The main ingredient of the medicine is

(1) $\text{Al}(\text{OH})_3$

(2) MgCl_2

(3) CaCO_3

(4) Na_2CO_3

Ans: (1)

8. Non-metallic oxides

(1) are acidic in nature

(2) are basic in nature

(3) are amphoteric in nature

(4) turn red litmus paper blue

Ans: (1)

9. The inner surfaces of food cans are coated with tin and not with zinc because

(1) zinc is costlier than tin

(2) zinc is more reactive than tin

(3) zinc has a higher melting point than tin

(4) zinc is less reactive than tin

Ans: (2)

10. A man goes door to door posing as a goldsmith. He promises to bring back the glitter on dull gold ornaments. An unsuspecting woman gives a set of gold bangles to him which he dips in a particular solution. The bangles sparkle but their weight has considerably reduced. The solution used by the impostor probably is

(1) dil. HCl

(2) cone. HCl

(3) a mixture of cone. HCl and cone. HNO_3

(4) cone. HNO_3

Ans: (3)

11. Bleeding is stopped by the application of alum to a wound because

(1) the wound is plugged by the alum chunk

(2) alum coagulates the blood and forms a clot

(3) alum reduces the temperature near the wound

(4) alum is an antiseptic

Ans: (2)

12. When an iron nail is dipped in copper sulphate solution, the colour of copper sulphate solution fades and a brownish layer is deposited over the iron nail. This is an example of

(1) combination reaction

(2) decomposition reaction

(3) double displacement reaction

(4) displacement and redox reactions

Ans: (4)

13. While diluting sulphuric acid, it is recommended that the acid should be added to water because

(1) acid has strong affinity for water

(2) acid may break the glass container

(3) dilution of acid is highly exothermic

(4) dilution of acid is highly endothermic

Ans: (3)

14. The thumb of humans moves more freely than other fingers due to the presence of

(1) pivotal joint

(2) gliding joint

(3) hinge joint

(4) saddle joint

Ans: (4)

15. Root cap is absent in

(1) Xerophytes

(2) Hydrophytes

(3) Mesophytes

(4) Halophytes

Ans: (2)

JSUNIL TUTORIAL