



SUBJECT – CHEMISTRY DURATION – 30 mins

F.M. - 15 DATE - 14.11.20

1. Which of the compounds is known as Slaked lime?

- (a) CaO
- (b) CaSO₄
- (c) Ca(OH)₂
- (d) CaCO₃

Answer: (c)

2. Which of the ions have maximum hydration energy?

- (a) Sr²⁺
- (b) Ca²⁺
- (c) Mg²⁺
- (d) Be²⁺

Answer: (d)

3. As compared to K, Na has

- (a) higher ionization potential
- (b) lower melting point
- (c) lower electronegativity
- (d) larger atomic radius

Answer: (a)

4. Which one is the most stable carbonate?

- (a) BaCO₃
- (b) MgCO₃
- (c) CaCO₃
- (d) BeCO₃

Answer: (a)

5. Plaster of Paris (POP) is

- (a) CaSO₄ H₂O
- (b) CaSO₄ 2H₂O
- (c) CaSO₄
- (d) CaSO₄ 1/2H₂O

Answer: (d)

- 6. Which oxide is amphoteric?
- (a) BaO
- (b) CaO
- (c) BeO
- (d) MgO

Answer: (c)

7. Be shows the diagonal relationship with

- (a) Na
- (b) Al
- (c) Mg
- (d) B

Answer: (b)

8. The tendency to lose their valance electron easily by alkali metals makes them

- (a) strong reducing agent
- (b) weak reducing agent
- (c) strongoxidising agent
- (d) weakoxidising agent

Answer: (a)

9. Which one is known as a fusion mixture?

- (a) $Na_2CO_3 + NaHCO_3$
- (b) Na₂CO₃ + NaOH
- (c) $Na_2CO_3 + K_2SO_4$
- (d) $Na_2CO_3 + K_2CO_3$

Answer: (d)

10. Find the incorrect trend for alkaline earth metals

(a) atomic size Be < Mg < Ca <Sr

- (b) second ionization energy Be < Mg < Ca <Sr
- (c) Hydration enthalpy Sr< Ca < Mg < Be
- (d) Density Ca < Mg < Be <Sr

Answer: (b)

11. Which of the following sulphates is not soluble in water?

- A. Sodium sulphate
- B. Potassium sulphate
- C. Zinc sulphate
- D. Barium sulphate

Answer: (d)

12. The element Cesium bears resemblance with

a) Ca b) Cr c) Both of the above d)None of the above

Answer: (d)

13. Which one of the following substances conduct electricity by the movement of ions?

a) Graphiteb)Copperc) Molten sodium chlorided) Mercury

Answer: (c)

14. Crystals of Na₂CO₃. 10H₂O when exposed to air

a) Lose water and remain solid
b) Gain water and remain solid
c) Gain water and become <u>liquid</u>
d)Remains unchanged

Answer: (a)

15. Ammonia may be prepared by heating ammonium chloride with

a) Waterb)NaClc) Aqueous sodium hydroxided) H2SO4

Answer: (c)

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