



CHEMISTRY

BOOKS - ARIHANT PUBLICATION

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SOLVED PAPER 2019

Section Ii Chemistry

1. gas is liberated when zinc is treated with H_2SO_4

A. O_2

B. SO_3

C. H_2

D. SO_2

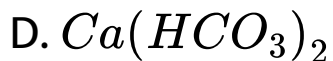
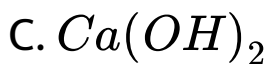
Answer: C



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2. Quick lime is

A. CaO



Answer: A



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3. Slaked lime reacts slowly with CO_2 , in air to form a thin layer of.



B. CaO

C. $\text{Ca}(\text{OH})_2$

D. CaCO_3

Answer: D



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4. During respiration combines with oxygen in the cells and produces CO_2 and water.

A. sucrose

B. fructose

C. glucose

D. galactose

Answer: C



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5. Colour of ferrous sulphate crystals

A. orange

B. green

C. blue

D. yellow

Answer: B



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6. When lead nitrate is heated emission of occurs.

A. N_2O_3

B. NO_2

C. NO

D. N_2

Answer: B



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7. $Na_2SO_4 + BaCl_2 \rightarrow BaSO_4 + 2NaCl$ is

an example for.....reaction .

A. displacement

B. double displacement

C. thermal decomposition

D. redox

Answer: B



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8. Chips manufacturers usually fill bags of chips with gas to prevent the chips from getting oxidised.

A. oxygen

B. nitrogen

C. hydrogen

D. carbon dioxide

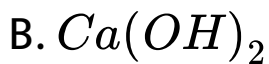
Answer: B



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9. On passing excess of carbon dioxide through lime water is obtained.

A. $CaCO_3$



Answer: D



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10. solution does not conduct electricity.

A. Sodium hydroxide

B. Calcium hydroxide

C. Glucose

D. Hydrochloric acid

Answer: C



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11. pH of blood is

A. 5.6

B. 6.5

C. 7.4

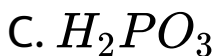
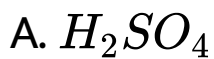
D. 4.7

Answer: C



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12. Our stomach produces..... acid which helps in the digestion.



D. HCl

Answer: D



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13. Stinging hair of nettle leaves inject
causing burning pain.

A. ethanolo acid

B. methanolc acid

C. propanolc acid

D. butanoic acid

Answer: B



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14. Baking soda is

A. sodium carbonate

B. sodium hydrogen carbonate

C. sodium hydroxide

D. sodium chloride

Answer: B



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15.is used in the manufacture of borax .

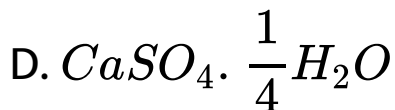
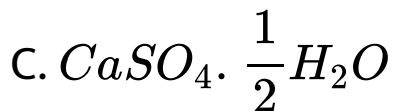
- A. Washing soda
- B. Baking soda
- C. sodium hydroxide
- D. sodium chloride

Answer: A



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16. Plaster of Paris (POP) is



Answer: C



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17. The ability of metals to be drawn into thin wire is called .

A. malleabilty

B. ductility

C. conductivity

D. sonorous

Answer: B



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18.is most malleable metal.

A. Au

B. Al

C. Fe

D. Zn

Answer: A



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19. Is non - metal but it is lustrous .

A. Carbon

B. Chlorine

C. Bromine

D. Iodine

Answer: D



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20.does not react with cold water .

A. Sodium

B. Calcium

C. Magnesium

D. Potassium

Answer: C



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21. Manganese react with very dilute HNO_3 to evolvegas.

A. H_2

B. N_2

C. O_2

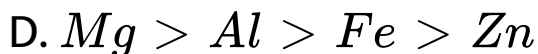
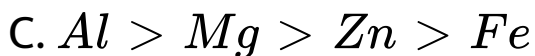
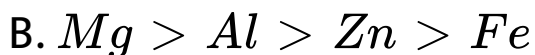
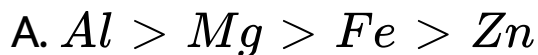
D. NO_2

Answer: A



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22. The order of reactivity is



Answer: B



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23. Cinnabar is

A. HgO

B. CuO

C. HgS

D. Cu_2S

Answer: C



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24. Sulphide ores are converted into oxides by

A. combination

B. reduction

C. calcination

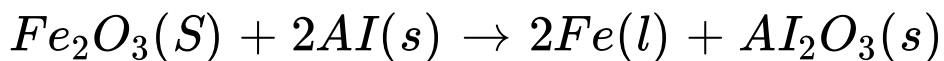
D. roasting

Answer: D



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25.



+ Heat . This reaction is called .

A. calcination

B. thermit reaction

C. thermal reaction

D. displacement .

Answer: B



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26. Silver articles become black after some time when exposed to air . This is because ofcoating .

A. Silver sulphate

B. silver oxide

C. silver sulphide

D. silver sulphite

Answer: C



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27. Bronze is an alloy of

A. Cu and Zn

B. Cu and Sn

C. Cu and Pb

D. Cu and TI

Answer: B



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28.is an alloy used for welding electrical wires .

A. Bronze

B. Brass

C. Solder

D. Steel

Answer: C



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29.is a major componet of CNG .

A. Methane

B. Ethane

C. Propane

D. Butane

Answer: A



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30. For the hydrogenation of vegetable oils
.....is used as catalyst .

A. Pt

B. Ni

C. Pd

D. Ag

Answer: B



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31. Dehydration of ethanol gives

A. ethane

B. ethanoic acid

C. ethene

D. ether

Answer: C



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32. solution of acetic acid in water is called vinegar.

A. 5-8%

B. 8-9%

C. 4-6%

D. 6-9%

Answer: A



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33. The melting point of pure ethanoic acid is

A. 300 K

B. 298 K

C. 310K

D. 290 K

Answer: D



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34. Esters react in the presence of acid or base to give alcohol and carboxylic acid is called

- A. esterification
- B. saponification
- C. hydrolysis
- D. rancidity

Answer: C



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35. Properties of elements are periodic function of their

A. atomic mass

B. atomic number

C. atomic size

D. atomic nature

Answer: B



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36. Modern periodic table has periods.

A. 18

B. 8

C. 7

D. 17

Answer: C



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37. Metalloids is

A. silicon

B. carbon

C. magnesium

D. iron

Answer: A



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38. M-shell of chlorine contains electrons.

A. 7

B. 6

C. 4

D. 5

Answer: A



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39. Metal oxide + acid \rightarrow X+water, X is

A. metal

B. acid

C. base

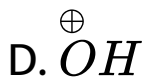
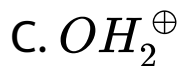
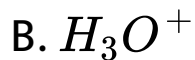
D. salt

Answer: D



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40. Hydronium ion is



Answer: B



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41. pH of milk of magnesia is

A. 11

B. 10

C. 11.5

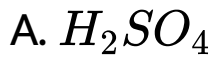
D. 10.5

Answer: D



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42. The atmosphere of Venus is made up of thick white and yellowish clouds of



Answer: A



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43.acid is present in tomato.

A. Oxalic

B. Citric

C. Tartaric

D. Methanoic

Answer: B



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44. Aqueous solution of sodium chloride is called.

A. brine

B. milk of magnesia

C. washing soda

D. baking soda

Answer: A



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45. Bleaching powder is represented as

A. CaClO

B. CaOCl

C. CaOCl_2

D. Ca_2Ocl_2

Answer: C



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46. Recrystallisation of sodium carbonate produces

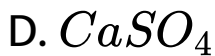
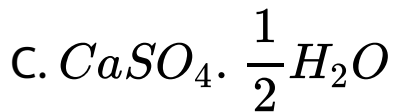
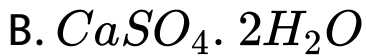
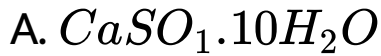
- A. baking soda
- B. washing soda
- C. bleaching powder
- D. gypsum

Answer: B



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47. is used as plaster for supporting fractured bones in the right position.



Answer: C



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48. metal exist as liquid at room temperature.

A. Bromine

B. Mercury

C. Lead

D. Zinc

Answer: B



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49. is an allotrope of carbon which is hardest in nature.

A. Diamond

B. Graphite

C. Silicon carbide

D. Fullerene

Answer: A



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50. Amphoteric oxide is

A. CuO

B. Na_2O

C. K_2O

D. Al_2O_3

Answer: D



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