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TOP 100 CHEMISTRY QUESTIONS

PART-1

FOR RRB NTPC EXAM

Top 100 RRB NTPC Chemistry Questions

Q1) What is used in nuclear reactor as a moderator. It is also known as Heavy Water?

Ans -: **Deuterium Oxide (D₂O)**

Q2) Which Metal is in liquid state at room temperature?

Ans -: **Gallium**

Q3) _____ elements are non-metal.

Ans -: **Electro-negative**

Q4) What is known as Artificial Silk.

Ans -: **Reyon**

Q5) Nitrous Oxide (N₂O) is also known as –

Ans -: **Laughing Gas**

Q6) Which compound is used to prepare water proof clothes?

Ans -: **Calcium hydride**

Q7) Which Nobel Gas is also known as ‘Stranger Gas’?

Ans -: **Xenon**

Q8) Which Acid is known as ‘Oil of Vitriol’?

Ans -: **Sulphuric acid**

Q9) For making of parachute, which polymeric substance used?

Ans -: **Viscose**

Q10) Acid rain is caused when the air is polluted by _____ Gases.

Ans -: **Nitrous Oxide & Sulphur dioxide**

Q11) All noble gases are _____ & _____.

Ans -: **Colourless and Odourless**

Q12) _____ is used as a Water Purifier.

Ans -: **Alum**

Q13) Aluminium is extracted from which ore?

Ans -: **Bauxite**

Q14) The _____ Process is used to synthesized Ammonia (NH₃)?

Ans -: **Haber's Process**

Q15) Which compound/acid commonly known as Aspirin?

Ans -: **Acetylsalicylic Acid**

Q16) _____ gas used to fill Balloons.

Ans -: **Helium**

Q17) _____ is also known as Baryta Water?

Ans -: **Barium Hydroxide**

Q18) Best sources for Vitamin D are –

Ans -: **Sunlight & Fish liver**

Q19) Which gas is the chief component of Bio-gas?

Ans -: **Methane**

Q20) _____ is the purest form of Carbon found in Nature.

Ans -: **Diamond**

Q21) The Chemical name of 'Washing Soda' is –

Ans -: **Sodium Carbonate**

Q22) What is the Chemical name of Chromic Acid?

Ans -: **Chromium trioxide**

Q23) Chemical name of Picric Acid is –

Ans -: **Tri Nitro Phenol**

Q24) In Photography, which chemical used as a fixer.

Ans -: **Sodium thiosulphate**

Q25) What are used to control the chain reaction in a nuclear reactor?

Ans -: **Cadmium rods**

Q26) In sunlight, Chloroform is converted into _____, a poisonous gas.

Ans -: **Phosgene**

Q27) Which Vitamin contains Cobalt?

Ans -: **Vitamin B12**

Q28) _____ is one of the most common preservatives used in food processing industry?

Ans -: **Benzoic Acid**

Q29) Which compounds are responsible for permanent hardness of water?

Ans -: **Sulphates and Chlorides of Calcium and Magnesium**

Q30) The temporary hardness of water is caused because of which compounds?

Ans -: **Bicarbonates of Calcium and Magnesium**

Q31) Copper is extracted from which ore?

Ans -: **Copper Pyrite**

Q32) When there is _____, Dead organisms are transformed into petroleum and natural gas.

Ans -: **Absence of air**

Q33) Deuterium is _____ of Hydrogen.

Ans -: **Isotope**

Q34) the weight of iron is _____ when it is undergoing the process of 'rusting'.

Ans -: **Increases**

Q35) Efficiency of the catalyst depends on its –

Ans -: **Molecular State**

Q36) Egg shell is made up of _____.

Ans -: **Calcium Carbonate**

Q37) Which Vitamins are Fat Soluble?

Ans -: **A, D, E & K**

Q38) Which was the First organic compound synthesized in a lab and it was done by whom?

Ans -: **Urea by Friedrich Wöhler**

Q39) Fuse wire is made up of _____.

Ans -: **Lead and Tin**

Q40) _____ is used to coat Galvanised Iron.

Ans -: **Zinc**

Q41. Which Gases are used by sea divers for under water breathing?

Ans -: **Oxygen & Helium**

Q42. _____ & _____ gases are helpful for ripening of raw fruits.

Ans -: **Ethylene & Acetylene**

Q43. The _____ found in an ore is known as Gangue.

Ans -: **Impurities**

Q44. Iron is extracted from which ore?

Ans -: **Hematite**

Q45. Kerosene is a mixture of _____.

Ans -: **Aliphatic hydrocarbons**

Q46. Which Element is used for making of Lead pencil.

Ans -: **Graphite**

Q47. The lightest metal is _____.

Ans -: **Lithium**

Q48. _____ is the main ore of Mercury.

Ans -: **Cinnabar**

Q49. Which Metal is found in the highest proportion in earth's crust?

Ans -: **Aluminium**

Q50. Mine explosions are mostly caused by mixing of Air & _____.

Ans -: **Methane**

Q51. What is the compound used to in Nail polish remover?

Ans -: **Acetone**

Q52. Natural rubber is a polymer derived from _____.

Ans -: **Isoprene**

Q53. The coating on non-stick cookware is of _____.

Ans -: **polytetrafluoroethylene (PTFE) – TEFLON**

Q54. The Nuclear Fusion on the Sun's surface result into formation of _____ Atoms.

Ans -: **Helium**

Q55. Organic Compounds are only soluble in _____.

Ans -: **Non-polar solvents**

Q56. _____ is also known as "FOOL'S GOLD".

Ans -: **Iron Pyrite**

Q57. In an Oxidation process _____ happens.

Ans -: **Loss of electrons**

Q58. Oxides of metals are _____.

Ans -: **Alkaline**

Q59. Ozone is _____ in nature.

Ans -: **Diamagnetic**

Q60. The chemical composition of paper is that of a _____.

Ans -: **Cellulose**

Q61. Paraffin wax is _____.

Ans -: **Saturated hydrocarbon**

Q62. In which type of Rocks is Petroleum (Fossil Fuel) is found?

Ans -: **Sedimentary Rocks**

Q63. _____ is also called White Gold.

Ans -: **Platinum**

Q64. Which is the purest form of Iron?

Ans -: **Wrought Iron**

Q65. Which Ore is used to extract Radium?

Ans -: **Pitchblende**

Q66. Solder is an alloy of _____.

Ans -: **Tin and Lead**

Q67. Which Radioactive Isotope is used in Cancer treatment?

Ans -: **Cobalt – 60**

Q68. _____ is the element common to all acids.

Ans -: **Hydrogen**

Q69. _____ is created by Alloying Iron and Chromium.

Ans -: **Stainless Steel**

Q70. The lustre of a metal is due to _____.

Ans -: **Presence of free electrons**

Q71. Which Mineral element is found in chlorophyll?

Ans -: **Magnesium**

Q72. The most abundant element in the earth's crust is –

Ans -: **Oxygen**

Q73. The term 'catalysis' was coined by _____.

Ans -: **Jöns Jakob Berzelius**

Q74. Which element is the primary reason for radioactivity found in human body?

Ans -: **Potassium – 40**

Q75. Germanium, an ultrapure metal is purified by which method?

Ans -: **Zone refining**

Q76. Tooth enamel is made up of _____.

Ans -: **hydroxyapatite, a mineral compound of calcium and phosphate**

Q77. Which gas is filled inside a Tube light?

Ans -: **Mercury Vapour & Argon**

Q78. _____ is an aqueous solution of Acetic acid.

Ans -: **Vinegar**

Q79. Which Vitamins are Water Soluble?

Ans -: **Vitamin B complex & Vitamin C**

Q80. Silver turns black (Tarnish) because of its reaction with _____.

Ans -: **Sulphur**

Q81. Melting of ice can be prevented with the use of –

Ans -: **Gelatin**

Q82. A Bee Sting contains which Acid?

Ans -: **Methanoic Acid**

Q83. An Orange contains _____ Acid.

Ans -: **Citric Acid**

Q84. Etching of glass is done with the help of _____.

Ans -: **Hydrofluoric acid (HF)**

Q85. Which acid is used in soft drinks?

Ans -: **Carbonic acid (H_2CO_3)**

Q86. Silver Iodide is used as a 'seed' agent for making of –

Ans -: **Artificial Rain**

Q87. _____ is used as a catalyst for the synthesis of Sulphuric Acid by Contact Process.

Ans -: **Platinum (Pt)**

Q88. Vanaspati Ghee is synthesized with the help of which catalyst?

Ans -: **Nickle (Ni)**

Q89. Swelling of bread takes place because of –

Ans -: **Carbon dioxide**

Q90. Cigarette lighters contain _____ Gas.

Ans -: **Butane**

Q91. Which gas is used in fire extinguisher?

Ans -: **Carbon dioxide**

Q92. _____ is termed as 'Metal of Future'.

Ans -: **Titanium**

Q93. Safety matches are prepared using –

Ans -: **Red Phosphorous**

Q94. A Photoelectric cell contains _____ metal.

Ans -: **Selenium**

Q95. Zinc Phosphide is used as?

Ans -: **Rat Poison**

Q96. Which is the hardest substance found in human body?

Ans -: **Tooth Enamel**

Q97. Ozone is an _____ of Oxygen.

Ans -: **Allotrope**

Q98. Which Metal is naturally Anti-Bacterial?

Ans -: **Copper**

Q99. Which was the first element to be produced after Big Bang?

Ans -: **Hydrogen**

Q100. If you pour a handful of salt into a glass of water, the water level will _____.

Ans -: **Go Down**

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