

LIVE  SESSION



Concept Through Questions

CTQ'S Series

RRB JE-2024 **CBT-1**

CHEMISTRY

Lecture - 2



Sajid Sir

MADE EASY Faculty

Q1. Kitchen gas mainly contains-

- a) Methane
- b) Butane
- c) Propane and butane
- d) Methane and butane





Q2. What happens when dilute hydrochloric acid is added to iron filings?

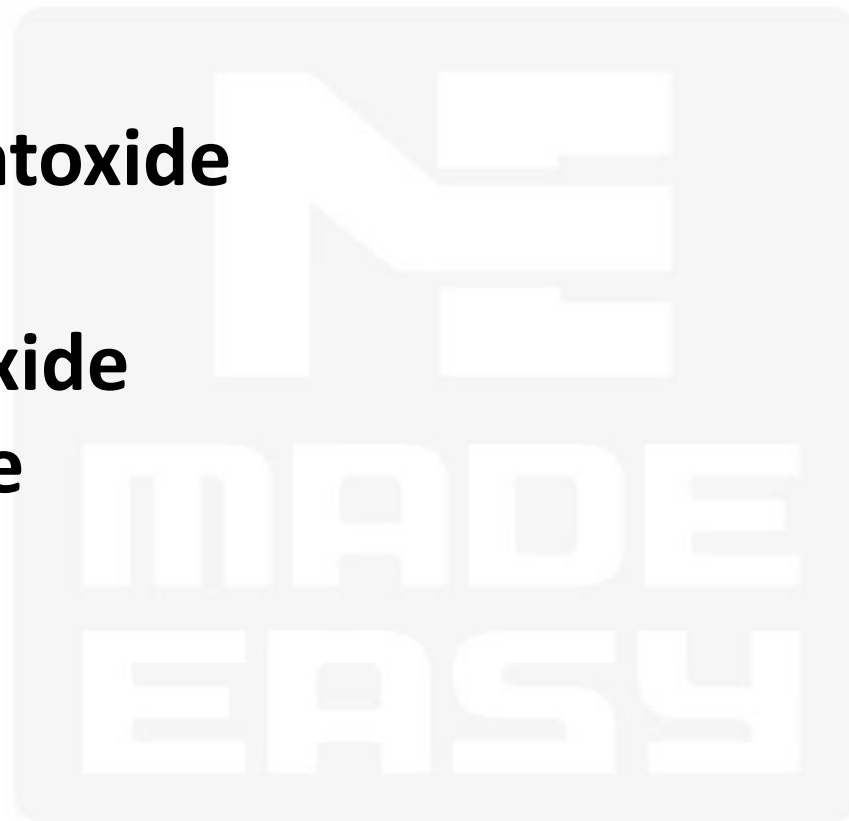
- (a) Hydrogen gas and iron chloride are produced**
- (b) Chlorine gas and iron hydroxide are produced**
- (c) No reaction takes place**
- (d) More than one of the above**

Q3. Which of the following substances is used in black and white photography ?

- (a) Sodium Chloride**
- (b) Calcium Hydroxide**
- (c) Calcium Nitrate**
- (d) Silver Bromide**

Q4. The oxide of nitrogen used in medicine as anesthetic is-

- (a) Nitrogen pentoxide**
- (b) Nitric oxide**
- (c) Nitrogen dioxide**
- (d) Nitrous oxide**



Q5. Which is used in preparation of dynamite-

- (a) Glycerol**
- (b) Ethyl alcohol**
- (c) Methyl alcohol**
- (d) Glycol**



Q6. What is Calcium sulphate-

- (a) Epsom salt**
- (b) Gypsum salt**
- (c) Potash alum**
- (d) Blue vitriol**



Q7. Caustic soda is-

- (a) Deliquescent**
- (b) Oxidant**
- (c) Reductant**
- (d) Efflorescent**



Q8. Which of the following is an ore of Aluminum?

- (a) Galena**
- (b) Cryolite**
- (c) Epsom Salt**
- (d) Cinnabar**



Q9. Which among the following is known as White Vitriol?

- (a) Zinc Sulphate**
- (b) Zinc Chloride**
- (c) Zinc Phosphate**
- (d) Zinc oxide**



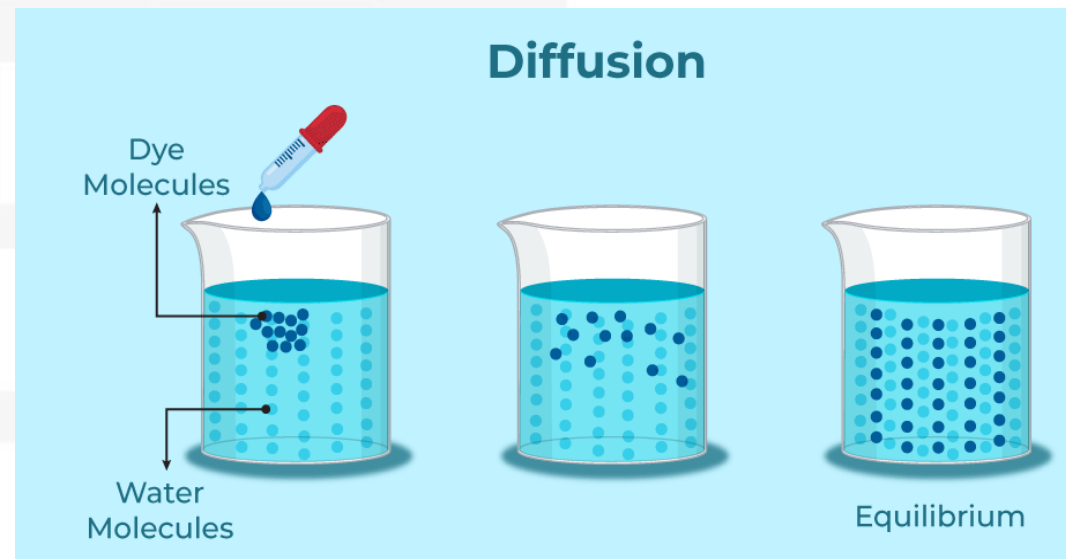
Q10. The common name of sodium hydrogen carbonate is-

- (a) Common salt**
- (b) Epsom salt**
- (c) Milk of magnesia**
- (d) Baking soda**

A large, semi-transparent watermark of the 'MADE EASY' logo is centered on the page. It features the same stylized 'NE' symbol and the words 'MADE' and 'EASY' in a light gray font.

Q11. The smell of the perfume reaches our nose quickly due to the process of-

- (a) Diffusion**
- (b) Condensation**
- (c) Evaporation**
- (d) Fusion**



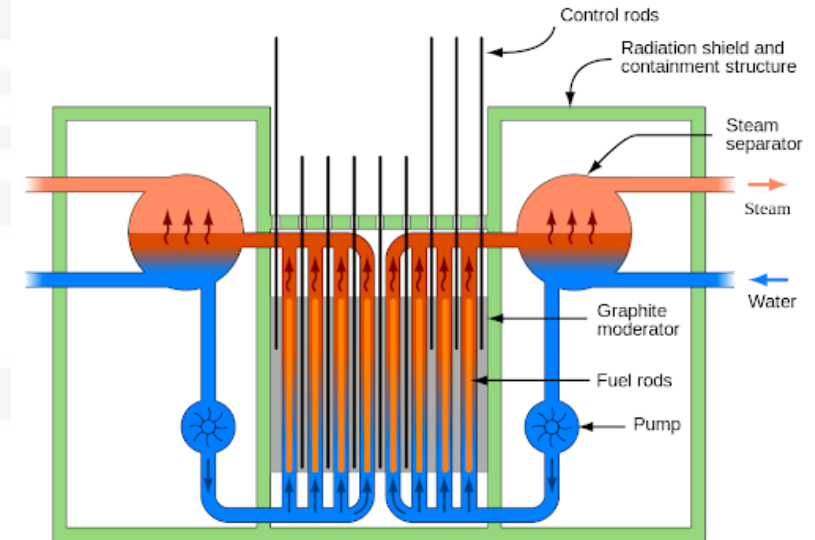
Q12. Methemoglobinemia (Blue Baby Syndrome) is caused by the drinking of water contaminated with-

- (a) nitrate**
- (b) cadmium**
- (c) phosphate**
- (d) Cobalt**



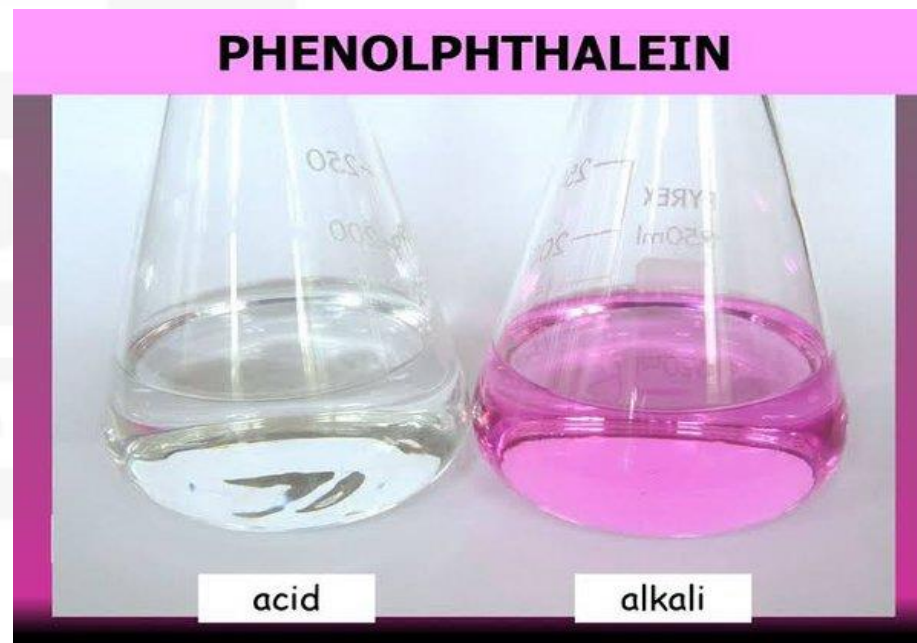
Q13. A moderator is used in nuclear reactors in order to-

- (a) increase the motoneurons**
- (b) decrease the motoneurons**
- (c) slow down the speed of neutrons**
- (d) Increase the speed of electrons**



Q14. Phenolphthalein indicator gives which colour of solution when it added in acid-

- (a) Red**
- (b) Yellow**
- (c) Pink**
- (d) Colourless/No colour**



Q15. Black colour of silver is the corrosion of silver, it is-

- (a) Silver Sulphide**
- (b) Silver chloride**
- (c) Silver Nitrate**
- (d) Silver Iodide**



Q16. The acid used in eye wash is-

- (a) Oxalic acid**
- (b) Nitric acid**
- (c) Boric acid**
- (d) None**

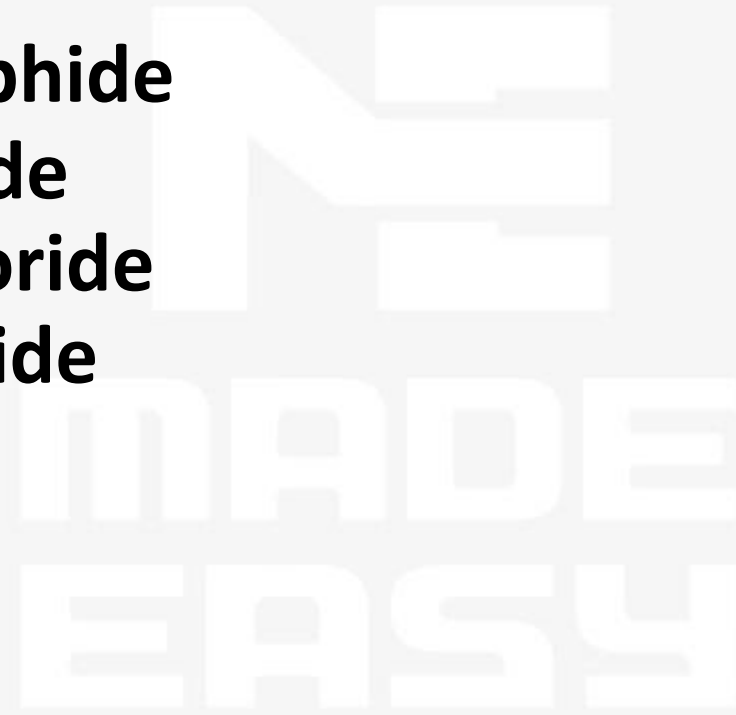


Q17. Which of the following chemicals is also known as "Vitriol of clay" -

- (a) Aluminium sulphate**
- (b) Sodium silicate**
- (c) Zinc sulphate**
- (d) Copper(II) sulphate**

Q18. Which compound of mercury is used as antiseptic-

- (a) Mercuric sulphide**
- (b) Mercuric oxide**
- (c) Mercuric chloride**
- (d) Mercuric iodide**

A large, semi-transparent watermark of the 'MADE EASY' logo is centered on the page. It features the same 'NE' symbol and 'MADE EASY' text as the smaller logo in the top right corner.

Q19. If we put camphor in an open container, its amount keeps on decreasing due to the phenomenon of-

- (a) Evaporation**
- (b) Precipitation**
- (c) Condensation**
- (d) Sublimation**



Q20. Chemical name of washing soda is-

- (a) Sodium chloride**
- (b) Sodium hydrogen carbonate**
- (c) Sodium carbonate**
- (d) Sodium hydroxide**

MADE
EASY

Q21. Which of the following is a thermosetting plastic?

- (a) Polythene**
- (b) Bakelite**
- (c) PVC**
- (d) Polyester**






Q22. A white solid 'A' on heating gives off a gas which turns lime water milky. The residue is yellow when hot but turns white on cooling. The solid A is-

- (a) Zinc Carbonate**
- (b) Lead Sulphate**
- (c) Lead Carbonate**
- (d) Zinc Sulphate**


Q23. Which acid is found in the sting of an ant?

- (a) Sulphuric acid**
- (b) Formic acid**
- (c) Ethanoic acid**
- (d) Hydrochloric acid**

A large, semi-transparent watermark of the 'MADE EASY' logo is centered on the page. It features the same 'NE' symbol and 'MADE EASY' text as the smaller logo in the top right corner.

Q24. Beryllium is very similar to-

- (a) Aluminium
- (b) Zinc
- (c) Radon
- (d) Lithium



1A	2A	3A	4A
Li	Be	B	C
Na	Mg	Al	Si

Diagram illustrating the periodic table structure for groups 1A, 2A, 3A, and 4A. The elements shown are Li, Be, B, C in the first row and Na, Mg, Al, Si in the second row. Arrows indicate the diagonal relationship between Be and Al, showing they are in the same diagonal line.

Q25. What is the colour of vapours formed on sublimation of iodine solid?

- (a) Yellow**
- (b) Orange**
- (c) Colourless**
- (d) Purple**



Q26. Which of the following non-metals is a good conductor of electricity?

- (a) Bromine**
- (b) Hydrogen**
- (c) Graphite**
- (d) Phosphorus**



Q27. Medicines to decrease the body temperature are called-

- (a) Antacids**
- (b) Antiseptic**
- (c) Antipyretic**
- (d) Analgesic**



Q28. Weedicides are used to kill-

- (a) Rodents**
- (b) Fungi**
- (c) Unwanted plants in crops**
- (d) Insects**



Q29. Toxicology is a science devoted to the study of-

- (a) Poisons**
- (b) Food**
- (c) Alcohol**
- (d) Fruits**



Q30. The rotenone is-

- (a) An insect hormone**
- (b) A bio-herbicide**
- (c) A natural insecticide**
- (d) A natural herbicide**

MADE
EASY

Q31. Potassium permanganate is used as-

- (a) Insecticide**
- (b) Pesticide**
- (c) Fertilizer**
- (d) Disinfectant**



Q32. Ultraviolet rays can be used in water treatment as-

- (a) Precipitator**
- (b) Flocculator**
- (c) Hydrolyser**
- (d) Disinfectant**



Q33. Which are the alternatives of antibiotics-

- (a) Tranquilizers**
- (b) Analgesic**
- (c) Sulpha drugs**
- (d) Antipyretics**



Q34. DDT stands for-

- (a) Dihydro-dimethyl Toluene**
- (b) Diphospho-dichloro-tetracyclene**
- (c) Dichloro diphenyl trichloro ethane**
- (d) Dichloro diphenyl trichloro butane**

**MADE
EASY**

Q35. TNT is a-

- (a) Tranquilizer**
- (b) Explosive**
- (c) Pesticide**
- (d) Weedicide**



Q36. 2, 4-D is a-

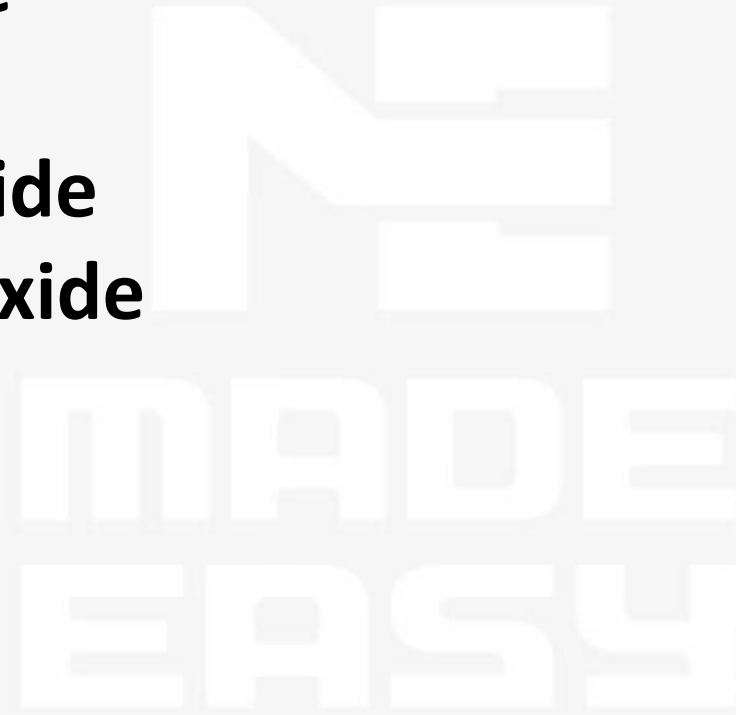
- (a) Tranquilizer**
- (b) Analgesic**
- (c) Weedicide**
- (d) Antipyretic**





Q37. Adding which substance gives green colour to glass-

- (a) Calcium oxide**
- (b) Iron oxide**
- (c) Chromium oxide**
- (d) Manganese oxide**



Q38. Which of the following is/are monomer of Bakelite-

- (a) Phenol and formaldehyde**
- (b) Vinyl chloride**
- (c) Vinyl Cyanide**
- (d) Ethylene**

A large, faint watermark of the 'MADE EASY' logo is centered on the page. It features the same stylized 'NE' symbol and the text 'MADE EASY' in a light gray color.

Q39. Parachutes are made of-

- (a) Rayon**
- (b) Nylon**
- (c) Plastic**
- (d) Terylene**



Q40. The fiber which resembles wool is-

- (a) Acrylon**
- (b) Polyester**
- (c) Nylon**
- (d) Terylene**





Q41. Which of the following oxides is not present in Portland cement-

- (a) Silica**
- (b) Lime**
- (c) Phosphorus**
- (d) Alumina**



Q42. Which one of the following is called 'fuel of future'-

- (a) Ethyl Alcohol**
- (b) Diesel**
- (c) Hydrogen**
- (d) Methane**



Q43. Common name of Polyacrylonitrile is-

- (a) Orlon**
- (b) Teflon**
- (c) PVC**
- (d) Bakelite**



Q44. What is the full form of PET-

- (a) Polyester**
- (b) Polyester and Terylene**
- (c) Polyethylene and Terephthalate**
- (d) Poly ethene and Terylene**

MADE
EASY

Q45. Which one of the following is the natural rubber-

- (a) Orlon**
- (b) Teflon**
- (c) Isoprene**
- (d) Bakelite**



Q46. Which one of the following coals has maximum percentage of carbon-

- (a) Peat**
- (b) Lignite**
- (c) Bituminous**
- (d) Anthracite**



Objective Questions:

Q47. By which technique salt is obtained from sea-water-

- (a) Filtration**
- (b) Distillation**
- (c) Evaporation**
- (d) Chromatography**

Q48. Name the particles which make up matter-

- (a) Non-metals**
- (b) Metals**
- (c) Metalloids**
- (d) Atoms**



Q49. By which apparatus a mixture of an immiscible liquid is separated-

- (a) Burner**
- (b) Beaker**
- (c) Separating Funnel**
- (d) Distillation Flask**





Q50. Name a technique which is used for separating two or more dissolved solids which are present in a solution in very small quantities-

- (a) Distillation**
- (b) Centrifugation**
- (c) Crystallisation**
- (d) Chromatography**

Q51. During summer, water kept in an earthen pot becomes cool because of the phenomenon of-

- (a) Diffusion**
- (b) Transpiration**
- (c) Osmosis**
- (d) Evaporation**





Q52. Which condition out of the following will increase the evaporation of water-

- (a) Increase in temperature of water**
- (b) Decrease in temperature of water**
- (c) Less exposed surface area of water**
- (d) Adding common salt to water**

Q53. By which process naphthalene can be separated by sand-

- (a) Sublimation**
- (b) Boiling**
- (c) Distillation**
- (d) Crystallisation**



Q54. Which of the following does not undergo

sublimation-

- (a) Anthracene**
- (b) Dry ice**
- (c) Silica**
- (d) Ammonium chloride**



Q55. Milk of magnesia is an example of-

- (a) Colloid**
- (b) Molecular solution**
- (c) Homogeneous mixture**
- (d) A Suspension**

A large, semi-transparent watermark of the 'MADE EASY' logo is centered on the page. It features the same stylized 'NE' symbol and the text 'MADE EASY' in a light gray color.

Q56. Tincture of iodine is made by dissolving-

- (a) Iodine + water**
- (b) Iodine + potassium iodine**
- (c) Iodine + acetone**
- (d) Iodine+ alcohol**

