

MHT CET 2026 Mathematics Memory Based Question paper PDF

Chemistry

1. The EAN of cobalt in the complex $[\text{Co}(\text{NH}_3)_6]^{3+}$ is:
 - (a) 27
 - (b) 30
 - (c) 33
 - (d) 36
2. A cube of edge 4 cm has mass 256 g. The density of the material in SI unit is:
 - (a) 4 kg/m^3
 - (b) 1600 kg/m^3
 - (c) 4000 kg/m^3
 - (d) 1000 kg/m^3
3. The Van't Hoff factor for a solution of K_2SO_4 in water is:
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
4. Rosenmund reduction is used to convert acyl chlorides into:
 - (a) Alcohols
 - (b) Carboxylic acids
 - (c) Aldehydes
 - (d) Ketones
5. In the electrolysis of molten NaCl , the product obtained at the cathode is:
 - (a) Cl gas
 - (b) Na metal
 - (c) NaOH
 - (d) H gas