Sample Test Paper For Admission In MS Chemistry

Q.1 Which one of these is NOT TRUE for benzene?
(a) It forms only one type of monosubstituted product
(b) There are three carbon-carbon single bonds and three carbon-carbon double bonds
(c) Heat of hydrogenation of benzene is less than the theoretical value
(d) The bond angle between carbon-carbon bonds is 120°

Q.2 The rate of chemical reaction is
(a) Determined from a balanced chemical equation
(b) The change in concentration of products and reactants in a certain amount of time
(c) Not possible to determine experimentally
(d) Expressed in units of time

Q.3 In 80 grams of NaOH there are
(a) 2 moles of NaOH
(b) 1 mole of NaOH
(c) 3 moles of NaOH
(d) 0.5 moles of NaOH

Q.4 Which of the following gives an aldehyde on dry distillation?
(a) Calcium acetate + calcium benzoate
(b) Calcium formate + calcium acetate
(c) Calcium benzoate
(d) Calcium acetate

Q.5 Alpha rays are
(a) Fast moving electrons
(b) Protons
(c) Neutrons
(d) Positively charged helium nuclei