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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