

University of Mumbai
SYBSc/Semester-III/Chemistry

Subject:- Chemistry-II

Sample Questions

Multiple Choice Questions

- 1 Nitration of phenol gives a mixture of ortho, meta and para nitro phenols, this is an example of-----
a) parallel reaction b) Consecutive reaction c) Thermal chain reaction d) Photochemical reaction
- 2 ----collision is one in which chemical bonds are broken and formed.
a) ineffective b) effective c) elastic d) flexible
- 3 For a particular reaction temperature coefficient is 3 if rate of reaction at 20 °C is x find rate at 40°C ?
a) 3x b) 4x c) 5x d) 6x
- 4 In B₂H₆ B-H-B bond are-----
a) 2e-3C bonds b) 2e-2C bonds c) 2e-1C bonds d) 3e-2C bonds
- 5 In SiO₂ silicon is in -----
a) tetrahedral coordination
b) trigonal coordination
c) linear coordination
d) Pyramidal coordination
- 6 BF₃, BCl₃ are called-----
a) electron rich molecules b) electron deficient molecules c) neutral molecules d) liquid crystals
- 7 PCC is -----
a) oxidizing agent b) reducing agent c) hydrolyzing agent d) brominating agent
- 8 Friedal Crafts acylation of benzene gives-----
a) Benzophenone b) Isopropy benzene c) Formyl benzene d) Acetophenone
- 9 Active methylene compounds are also called-----
a) Supper acids b) Carbon acids c) Lewis acids d) Active bases

10 Which of the following is not active methylene compound?

a) EAA

b) Acetone

c) Acetyl acetone

d) Ethyl
cyanoacetate