

PPSC Chemistry Full Book Test

Sr	Questions	Answers Choice
1	Which of the following statements is not correct with respect to applications of Hammett equations.	A. It develops a quantitative relationship between structure and reactivity B. This equation can be used to calculate the value of pK_a C. This equation does not help to calculate the rate of some reactions D. This equation has mechanistic implications
2	The equation which relates the reaction rates and equilibrium constants of many reactions is known as.	A. Taft equation B. Hammett equation C. Differential equation D. Linear equation
3	Which of the following haloacids is stronger acids.	A. FCH_2COOH B. $ClCH_2COOH$ C. $BrCH_2COOH$ D. ICH_2COOH
4	Which of the following groups exert -I effect.	A. $-NO_2$ B. $-CN$ C. $-COOH$ D. $C=O$
5	Which of the following factors effect the strengths of acids and bases.	A. Inductive effect B. Resonance effect C. Hydrogen effect D. All above
6	Which of the following statements not correct with the concept of Bronsted concept of acids and bases.	A. An acid can donate a proton B. A base can accept a proton C. This concept has many bases that have OH^- ions D. This concept is more general
7	Which of the following statement is not correct in respect of Arrhenius concept.	A. This concept is applicable only for aqueous systems. B. Neutralization takes place in aqueous medium only C. H^+ ion concept remain as such in water D. This concept is applicable for non aqueous system only.
8	Inorganic acids (HCl, HBr, HNO_3 etc) have K value.	A. < 1 B. > 1 C. > 10 D. < 10
9	Which of the following statements do not represent Lewis idea of acids and base?	A. Compounds which have completely filled orbitals B. Compounds which have incompletely filled orbitals C. Compounds in which the central atom can expand its octet D. All simple metal ions like Ag^+ , Al^{3+} etc.
10	Which of the following does not represent Lewis base.	A. Pyridine B. $NaNH_2$ C. PCl_3 D. $NaOH$
11	Which of the following does not represent Lewis acid.	A. $ZnCl_2$ B. $FeCl_2$ C. BF_3 D. $BuLi$
12	Which of the following pairs does not represent Lowery acid base pair.	A. $H_2O + NH_3$ B. $H_2O + H_2O$ C. $HCl + H_2O$ D. $CH_3NH_2 + BF_3$

13	Which of the following statements is not correct with the concept of Bronsted concept of acids and bases.	A. An acid can donate a proton B. A base can accept a proton C. This concept has many bases that have OH ⁻ ions D. This concept is more general
14	Which of the following statement is not correct in respect of Arrhenius concept.	A. The concept is applicable only for aqueous systems. B. Neutralization takes place in aqueous medium only C. TH ⁺ ion cannot remain as such in water D. This concept is applicable for non aqueous system only.
15	Which of the following is strong adhesive.	A. Epoxy resin B. Melamine -formaldehyde resin C. Alkyd resins D. Bakelite
16	SAN is a polymer of	A. Styrene B. Acrylonitrile C. Both A and B D. Vinyl chloride
17	Which of the following polymers is chlorinated.	A. Orlon B. Neoprene C. Dacron D. None of these
18	Soft drinks and baby feeding bottles are generally made up	A. Polyether B. Polyurethanes C. Polyamide D. Polyethylene
19	What type of inter molecular force present in nylon-66?	A. Vander wall B. Hydrogen bond C. Dipole -dipole interactions D. Sulphide linkage
20	Which is not true about polymers.	A. Polymers do not carry any charge B. Polymers have high viscosity C. Polymers scatter light D. Polymers have low molecular weight
21	Which of the following contains isoprene unit.	A. Natural rubber B. Nylon -6,6 C. Polyethylene D. Dacron
22	Orlon is polymer of.	A. Styrene B. CF ₂ = CF ₂ C. Vinyl chloride D. Acrylonitrile
23	Which of the following is used to make non-stick material.	A. Vinyl cyanide B. Tetrafluoroethene C. Vinyl chloride D. Styrene
24	Monomer of neoprene rubber is	A. 1-chloro 1,3- butadiene B. 2-chloro, 1,3-butadiene C. 2-Bromo -1,3- butadiene D. 2-Methyl 1,3-butadiene
25	Monomers are Teflon is	A. Monochloroethene B. 1,2- Difluoroethene C. 1,1,2- Trifluoroethene D. Tetrafluoroethene
26	In order to give strength and elasticity natural rubber is heated with.	A. Sulphur B. Oxygen C. Nitrogen D. Chlorine
27	Gutta percha is	A. Cis polyisoprene B. Trans -polyisoprene C. Polyethylene D. Polyisobutylene
28	Monomer of natural rubber is	A. 1,3-Butadiene B. 2-Methyl -1,3-butadiene C. 1,2 -Butadiene D. 1,3 - Pentadiene
29	In which polymer the strength of inter molecular forces is maximum	A. Elastomers B. Thermoplastic C. Fibres D. None of these

C. fibre
D. Cross linked polymer

30 High density polyethylene has which type of structure.

A. Linear
B. Branch chain
C. Cross linked
D. Any one of these