

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	The reaction of toluene with chlorine in the presence of light gives.	A. Benzoyl chloride B. Benzyl chloride C. m-chlorotoluene D. Mixture of o and p -chlorotoluene
2	Organic substance responsible for the smell of flowers etc. are grouped together in chemistry as.	A. Perfumes B. Terpenoids C. Flavonoids D. Alkaloids
3	The bond angle between hybrid orbitals in methane is	A. $115.5^\circ$ B. $109.5^\circ$ C. $105.7^\circ$ D. $120^\circ$
4	An example of cyclic polyterpenoid is	A. Myrcene B. Alcoholic C. Synthetic rubber D. Natural rubber
5	Which type of polymer the Nylon -06 is	A. Polyamide B. Polyester C. Addition D. Homopolymer
6	Correct order of increasing _____ I effect of groups is	A. $\text{NO}_2 > \text{CN} > \text{COOH} > \text{F}$ B. $\text{F} > \text{COOH} > \text{CN} > \text{NO}_2$ C. $\text{F} > \text{CN} > \text{NO}_2 > \text{COOH}$ D. $\text{CN} > \text{COOH} > \text{NO}_2 > \text{F}$
7	Which of the following is capable of forming zwitter ion.	A. Amino acids B. Halo acids C. Hydroxy acids D. All of these
8	An stereospecific enzyme in one which catalyses	A. Formation of one stereoisomer B. Reaction of one stereoisomer only C. Both of these D. None of these
9	In the Friedel-Craft acylation, the amount of $\text{AlCl}_3$ that must be taken is	A. In catalytic amount B. One equivalent C. More than one equivalent D. Amount does not matter
10	Which of the following is a planar molecule.	A. Acetone B. Formic acid C. Acetic acid D. All above
11	The IUPAC suffix used for _____ NC group is	A. Cyanide B. Isocyanides C. Carbylamines D. Nitrite
12	The speed of a chemical reaction	A. Is constant no matter what the temperature is. B. Is independent of the amount of contact surface of a solid involved C. Between gases should be all cases be extremely rapid because the average kinetic energy of the molecules is great D. Between ions in aqueous solution is extremely rapid because there are no bonds that need to be broken
13	Given $\text{A} + 3\text{B} \rightarrow 2\text{C} + \text{D}$ This reaction is first order with respect to reactant A and second order with respect to reactant B. If the concentration of A is doubled and the concentration of B is halved, the rate of the reaction would be by factor of	A. Increase, 2 B. Decrease, 2 C. Increase, 4 D. Decrease, 4

		D. Decrease, +
14	Complete hydrolysis of nucleotide result in the formation of.	A. Heterocyclic bases B. A pentose C. A phosphate ion D. All of these
15	When propyne is treated with aqueous $\text{H}_2\text{SO}_4$ in the presence of $\text{HgSO}_4$ the functional isomer of the major product obtained in.	A. Propanal B. Acetone C. Propane 2 -ol D. Propanol
16	The deficiency of which vitamin leads to beri brainteaser	A. Thiamine B. Riboflavin C. Pyridoxine D. Ascorbic acid
17	$\alpha$ -pinene hydrochloride on warming rearranges to form bornyl chloride	A. Pinacol pinacolone B. hofmann C. Wagner Meerwein D. Wolf
18	Hydrogen bonds holding the strand to nucleic acids are formed between	A. Sugar and base units B. Base unit C. Sugar and phosphate units D. Sugar units
19	Which of the following is capable of showing optical isomerism.	A. $\text{CH}_3\text{COCOOH}$ B. $\text{CH}_3\text{CHOHCOOH}$ C. Both a and b D. All of these
20	Which of the following is strong adhesive.	A. Epoxy resin B. Melamine -formaldehyde resin C. Alkyd resins D. Bakelite