

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following compounds has highest dipole moment.	A. Dichloromethane B. Chloroform C. Chloromathane D. All above
2	a-terpioneol is obtained on hydration of which of the following with dilute H <sub>2</sub> SO <sub>4</sub> .	A. Citral B. Myrcene C. Linalool D. Limonene
3	C - O bond lengths in carboxylate anion are equal due to.	A. Resonance effect B. Inductive effect C. Resonance of identical contributing structures. D. Hyperconjugation
4	The decomposition of dimethyl ether at 504 oC is first order with a half -life of 1570 second. What fraction of an initial amount of dimethyl ether remain after 47-10 seconds.	A. 1/3 B. 1/6 C. 1/8 D. 1/16
5	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
6	Enfleurance process is used to extract the essential oils from	A. Bark of plant B. Seeds of plant C. Leaves of plant D. Flowers of plant
7	Identify the incorrect statement regarding crystallization from the following.	A. It is an important procedure for purifying solids B. The impurities are removed by filtering the solution C. Crystals are separated by filtration D. In crystallization method, the solid is dissolved in a solvent in which it is soluble at all temperature.
8	The bond length of C = C is	A. 1.20 Å B. 1.34 Å C. 1.54 Å D. 1.68 Å
9	The electrophile in the sulphonation of benzene is.	A. SO <sub>3</sub> B. SO <sub>3</sub> H C. HSO <sub>4</sub> D. SO <sub>2</sub>
10	How many stereoisomers are possible for CH <sub>3</sub> CH = CHCH(Br) CH <sub>3</sub>	A. 2- geometrical isomers B. 2- optical isomers C. 2- geometrical and 2- optical isomers D. 2- geometrical and 1 optical isomers
11	Which of the following does not have an α,β, unsaturated carbonyl group.	A. Androsterone B. Oestrone C. Testosterone D. Progesterone
12	What is the possible number of optical isomers for a compound contained 2 dissimilar asymmetric carbon atoms.	A. 2 B. 4 C. 6 D. 8
13	Cis -2 butene on reaction with bromine give 2,3 -dibromobutane which is	A. Racemic mixture B. Meso isomer C. Dextroisomer D. Levoisomer
14	Which of the following does not represent Lewis base.	A. Pyridine B. NaNH <sub>2</sub> C. PCl <sub>3</sub> D. ...

D. NaOH

15	In the Friedel-Craft acylation, the amount of AlCl <sub>3</sub> that must be taken is	A. In catalytic amount B. One equivalent C. More than one equivalent D. Amount does not matter
16	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 <sup>-</sup> ions D. This concept is more general
17	Which of the following hydrocarbon cannot be obtained on reacting chloromethane with sodium metal in the presence of dry ether.	A. C <sub>4</sub> H <sub>10</sub> B. C <sub>2</sub> H <sub>6</sub> C. C <sub>2</sub> H <sub>4</sub> D. C <sub>3</sub> H <sub>8</sub>
18	The denationalization involving C - H sigma bond electrons is known as .	A. Conjugation B. Hyperconjugation C. Mesomerism D. Resonance
19	The dye obtained from madder root	A. Indogotin B. Indanthrene C. Alizarin D. Acriflavin
20	What type of inter molecular force present in nylon-66 <sup>o</sup>	A. Vander wall B. Hydrogen bond C. Dipole -dipole interactions D. Sulphide linkage