

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	The electrophile in the sulphonation of benzene is.	A. <chem>SO3</chem> B. <chem>SO3H</chem> C. <chem>HSO4</chem> D. <chem>SO2</chem>
2	The half life for a first order reactions 32 s. What was the original concentration if after 2.0 minutes, the reactant concentration is 0.062 M.	A. 0.84 M B. 0.069 M C. 0.091 M D. 0.075 M
3	Which of the following is not a pyrimidine base.	A. Uracil B. Thymine C. Cytosine D. Guanine
4	Which of the following does not represent Lewis base.	A. Pyridine B. <chem>NaNH2</chem> C. <chem>PCl3</chem> D. <chem>NaOH</chem>
5	Monomer of Nylon -6 is	A. Adipic acid B. Hexamethylenediamine C. Caprolactam D. All of these
6	The light absorbed in UV and visible region causes.	A. Vibrational energy changes B. Rotational energy changes C. Electronic excitation D. All of these
7	Urea an enzyme used to estimate urea is a	A. Hydrolytic enzyme B. Oxidative enzyme C. Reductive enzyme D. Iso me rising enzyme
8	The simplest formula of a compound containing 50% of element X	A. <chem>XY2</chem> B. <chem>XY</chem> C. <chem>X2Y</chem> D. None of the above
9	The product obtained on heating n-heptane with <chem>Cr2O3</chem> _____ <chem>Al2O3</chem> at 600 °C is.	A. Cycloheptane B. Methyl cyclohexane C. Benzene D. Teluene
10	Which of the following is not a characteristics of terpenoids.	A. They are pleasant smelling liquids B. They are steam volatile C. They are nitrogenous bases D. they are insoluble in water
11	Which of the following statements is not correct with respect to applications of H- bonding.	A. It explains the usual b.p. and m.p. of certain class of compound. B. It explains the solubility of certain organic compounds in hydroxylic solvents C. It explains the lack of ideal behavior in gases and solutions D. It has stong influence on the configuration of certain molecules.
12	Correct order of increasing _____ I effect of groups is	A. <chem>NO2 &gt; CN &gt; COOH &gt; F</chem> B. <chem>F &gt; COOH &gt; CN &gt; NO2</chem> C. <chem>NO2 &gt; COOH &gt; CN &gt; F</chem> D. <chem>CN &gt; COOH &gt; NO2 &gt; F</chem>
13	The formation of daughter DNA's from parent DNA is called.	A. Transalation B. Transcription C. Reproduction D. Replication

14	Which of the following statements are correct for Linear polymers.	condensation as well as addition polymers B. Structure is well packed in nature C. Linear polymers have higher density higher melting point and higher tensile strength D. All are correct
15	Which one of the following is natural polymer.	A. Starch B. Nylon-6 C. Neoprene D. Buna-S, SBR
16	Enantiomers have which of the following characteristics.	A. Rotate ordinary light B. Have the same melting point C. Are superimposable mirror images D. React with optically active molecule at the same rate
17	In Dumas method, the volume of the gas collected is equivalent to which of the following gases set free from the compound.	A. Ammonia B. O <sub>2</sub> C. N <sub>2</sub> D. NO
18	A terpenoid which has an alcoholic group in the molecule is	A. Citral B. Camphor C. Menthol D. Carvone
19	Orion is polymer of.	A. Styrene B. CF <sub>2</sub> = CF <sub>2</sub> C. Vinyl chloride D. Acrylonitrile
20	Who proved that all the six hydrogen atoms in benzene are equivalent.	A. Kekulé B. Ladenburg C. Faraday D. Wohler