

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	The number of optically active compounds in the isomers of C3H5Br3 is.	A. 1 B. 2 C. 3 D. 4
2	Select a basic amino acid.	A. Glycine B. Cystine C. Alanine D. Lysine
3	Rectified spirit obtained by formentation contains 5% of water .So in order to remove it, rectified spirit is mixed with suitable quantity of benzene and heated Benzene helps because.	A. It is dehydreating agent and so removes water B. It forms the loweer layer which retains all the water so that alcohol can be distilled off C. It form an azeotropic mixture having high boiling point and thus allows the alcohol to distall over D. It forms low boiling azeotropic mixture which distille over leaving behind pure alcohol which can than be distilled.
4	Recrystallization is the most common technique of purification of solid organic substances Which of the following statements is not related with characteristics of a suitable solvent.	A. It dissolves the substance on heating B. It readily allows it to separate out in the form of crystal on cooling C. It does not react chemically with substance D. It does dissolve the impurities.
5	Orion is polymer of.	A. Styrene B. CF2 = CF2 C. Vinyl chloride D. Acrylontrile
6	The formation of daughter DNA's from parent DNA is called.	A. Transalation B. Transcription C. Reproduction D. Replication
7	If reaction A has an activation energy of 250 kj and reaction activation energy of 100 kj, which of the following statements must be correct.	A. If reaction A is exothermic and reaction B is endothermic then reaction A is favored kinetically B. At the same temperature the rate of reaction B is greater than the rate of reaction A  C. The energy of reaction A must be greater than the energy of reaction B.  D. The energy of reaction B must be greater than the energy of reaction A
8	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 solvvent in which it is soluble at all temperature.
9	Urea an enzyme used to estimate urea is a	A. Hydrolytic enzyme B. Oxidative enzyme C. Reductive enzyme D. Iso me rising enzyme
10	Which of the following statements are correct for Linear polymers.	A. Linear polymers may be 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

11	Vitamin which contains cobalt is.	A. Vitamin B1 B. Vitamin B2 C. Vitamin B6 D. Vitamin B12
12	The sugar present in RNA is	A. D- ribose B. D-Arabinose C. D-Glucose D. Deoxyribose
13	The base which in not present in DNA is	A. Adenine B. Guanine C. Thymine D. Cytosine
14	Select the major product obtained from the addition HBr to 1-methyl cyclohexene.	A. 1- bromo -2- methyl cyclohexane B. 6- bromo-1- methyl cyclohex - 1- ene C. 3- bromo-1- methyl cyclohex -1- ene D. 1- bromo-1- methyl cyclohexane
15	The number of hydrogen bond present in G -C pair is	A. 1 B. 2 C. 4 D. 3
16	The IUPAC suffix used for NC group is	A. Cyanide B. Isocyanides C. Carbylamines D. Nitrite
17	Citral when heated with KHSO4 forms.	A. Isoprene B. p-cymene C. p-menthane D. Dipentene
18	Which of the following compounds would you use in order to obtain a crystalline derivative of an aromatic amine.	A. 2,4 Dinitrophenyl hydrazine B. Nitrous acid C. Benzoyl chlride D. None of these
19	Presence of nitrogen in organic compound to tested as.	A. Nitrogen gas B. NH3 C. NO D. Amide
20	The dye obtained from madder root	A. Indogotin B. Indanthrene C. Alizarin D. Acriflavin