

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is not a biodegradable polymer.	A. Protein B. PVC C. Cellulose D. Nucleic acid
2	Citral when heated with $\text{KHSO}_4$ forms.	A. Isoprene B. <i>p</i> -cymene C. <i>p</i> -menthane D. Dipentene
3	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
4	The function of boiling the sodium extract with conc. $\text{HNO}_3$ before testing the halogens is	A. To make solution clear B. To make the solution acidic C. To bring common ion effect D. To destroy $\text{CN}^-$ and $\text{S}^{2-}$ ion
5	A group that causes deepning of the colour is known as	A. Bathchromic B. Hypsochromic C. Hypochromic D. Hyperchromic
6	Phenol on reaction with ethanoic anhydrides in the presence of sodium ethanoate gives.	A. Phenyl benzoate B. Ethyl benzoate C. Phenyl ethanoate D. Phenyl methyl ether
7	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
8	Hydrogen bons holding the strand to nucleic acids are formed between	A. Sugar and base units B. Base unit C. Sugar ane phosphate units D. Sugar units
9	The IUPAC suffix used for _____ NC group is	A. Cyanide B. Isocyanides C. Carbylamines D. Nitrite
10	Chlorination of benzene with excess chlorine in the presence of $\text{FeCl}_3$ as Lewis acid gives.	A. Chlorobenzene as a major product B. o-dichlorobenzene as major product C. p-dichloro benzene as an only product D. A mixture of o- and p- dichloro benzene
11	Sterols are steroids having the functional group.	A. Ketonic B. Alcoholic C. Phenolic D. Aldehydic
12	The sugar present in DNA is	A. D- Ribose B. D-Glucose C. 2- Doxy D-Ribose D. 3-Deoxy D-ribose
13	Molecular weight of proteins may be determined by	A. Osmotic pressure measurements B. Sedimentation methods C. Light scattering methods D. All of these
14	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

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15 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

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16 A terpenoid which has an alcoholic group in the molecule is

A. Citral  
B. Camphor  
C. Menthol  
D. Carvone

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17 An induction of dipole or polarity in non polar bond, and consequent electron shifting along a chain of atoms is known as.

A. Inductive effect  
B. Resonance effect  
C. Hyper conjugation  
D. None of the above

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18 Which of the following is a planar molecule.

A. Acetone  
B. Formic acid  
C. Acetic acid  
D. All above

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19 The steroid which plays an important role in carbohydrate metabolism is.

A. Oestrone  
B. Progesterone  
C. Androsterone  
D. Cortisone

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20 Indigo is a dye obtained from indigo plant which belongs to the group of.

A. Substantive dyes  
B. Mordant dyes  
C. Vat dyes  
D. Disperse dyes

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