

## PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	Enfleurage process is used to extract the essential oils from	A. Back of plant B. Seeds of plant C. Leaves of plant <b>D. Flowers of plant</b>
2	The dye which is a constituent of Skiffs reagent used for detection formaldehyde group is.	A. Gentain violet <b>B. Megneta</b> C. Phenolphthalein D. Rosolic acid
3	Polyamide jinkage is present in	A. Nylon B. Silk C. Protein <b>D. All of these</b>
4	An example of acyclic monoterprenoid is	A. a -pinene <b>B. Camphor</b> C. Geranal D. Citral
5	Stereotomers not related to each other as object and minor image are called.	A. Enantiomers <b>B. Diastereosomers</b> C. Conformations D. Antipodes
6	Beillstein test is used for.	<b>A. Cl</b> B. N2 C. CO2 D. Na
7	Which of the following effects best explains that o-nitro phenol is insoluble in water.	A. Inductive effect B. Resonance effect <b>C. Intramolecular H -bonding</b> D. Isomeric effect
8	The vitamin which is related to monossaccharides is.	A. Vitamin A <b>B. Vitamin C</b> C. Vitamin D D. Vitamin E
9	Carbon and Hydrogen are estimated by	<b>A. Liebig's method</b> B. Kjeldhal's method C. Carries method D. None of the above
10	The number of hydrogen bonds bonding A _____ T pair is	<b>A. 1</b> <b>B. 2</b> C. 3 D. 4
11	The IUPAC name of C <sub>2</sub> H <sub>3</sub> , CO , OC OC <sub>2</sub> H <sub>5</sub> is	<b>A. Prepanoic anhydride</b> B. Ethanoic anhydride C. Diketoethoxy ether D. None of the above
12	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 <b>D. In crystallization method, the solid is dissolved in a solvent in which it is soluble at all temperature.</b>
13	Carbylamine reaction proceeds via the intermediate formation of.	A. Alkyl isocyanide B. Chloride ion C. Alkyl carbonion <b>D. Dichloro methylene</b>
14	1-Chlorobutane on reaction with alcohols potash gives.	<b>A. 1- butane</b> B. 1-butanol C. 2- butane D. 2- butanol

15 Which of the following is capable of showing optical isomers.  
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 The IUPAC name of  $\text{HOCH}_2\text{CH}_2\text{CH}_2\text{COOH}$  is  
A. 4- formylbutanoic acid  
B. 5- formylpentanoic acid  
C. 4- carboxybutanal  
D. 5- carboxypentanal

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17 D(+) glyceraldehydes has the absolute configuration.  
A. E-  
B. S-  
C. E-  
D. Z-

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18 Alkaline hydrolysis of chloroform produces.  
A.  $\text{HCCO}$   
B.  $\text{HCOO}^- + \text{CO}$   
C.  $\text{H}_3\text{COH}$   
D.  $\text{CHCl}_2\text{OH}$

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19 Rectified spirit obtained by fermentation 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 dehydrating agent and so removes water  
B. It forms the lower layer which retains all the water so that alcohol can be distilled off  
C. It forms an azeotropic mixture having high boiling point and thus allows the alcohol to distill over  
D. It forms low boiling azeotropic mixture which distills over leaving behind pure alcohol which can then be distilled.

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20 Which of the following statement is not correct with respect to limitations of Hammett equation.  
A. It is only applicable to aromatic systems  
B. Only applicable to aliphatic systems  
C. It is not valid for m-substituent