

PPSC Chemistry Part II Organic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is capable of showing optical isomers?	A. <chem>CH3COCOOH</chem> B. <chem>CH3CHOHCOOH</chem> C. Both a and b D. All of these
2	In which polymerization branching of chain cannot be possible.	A. Free radical B. Cationic C. Anionic D. Anionic and Ziegler Natta
3	Two solids A and B have appreciable different solubility in water but their m.p. are very close. The mixture A and B can be separated by.	A. Sublimation B. Distillation C. Fractional crystallization D. Specific rotation
4	Presence of nitrogen in organic compound to be tested as.	A. Nitrogen gas B. <chem>NH3</chem> C. <chem>NO</chem> D. Amide
5	Which of the following equations represent linear free energy relationship.	A. Hammett equation B. Taft equation C. Helmholtz equation D. Differential equation
6	The base which is not present in DNA is	A. Adenine B. Guanine C. Thymine D. Cytosine
7	An example of acrylic monoterpenoid is	A. Dipentene B. Mycene C. α -terpineol D. Limonene
8	The electrophile in the sulphonation of benzene is.	A. <chem>SO3</chem> B. <chem>SO3H</chem> C. <chem>HSO4</chem> D. <chem>SO2</chem>
9	Dyes used in photographic plates to make them panchromatic is.	A. Cyanine dyes B. Azine dyes C. Phthalocyanine dyes D. Acridine dyes
10	SAN is a polymer of	A. Styrene B. Acrylonitrile C. Both A and B D. Vinyl chloride
11	Toluene is o/p -orienting with respect to an electrophilic substitution reaction due to.	A. +I effect of the methyl group. B. +I as well as +H effect of the methyl group C. Hyper conjugation between the methyl group and phenyl ring. D. +R effect of the methyl group
12	Ziegler -Natta catalyst is	A. <chem>(C2H3)3Al</chem> B. <chem>TiCl4</chem> C. <chem>(C2H5)3Al/TiCl4</chem> D. <chem>(C2H3)3B/TiCl2</chem>
13	Vitamin which contains cobalt is.	A. Vitamin B1 B. Vitamin B2 C. Vitamin B6 D. Vitamin B12
14	Primary structure of protein refers to	A. Amino acid sequence B. Arrangement of peptide chains C. Orientation of amino acids D. Whether it has an α or β helix in space structure.
15	Which of the following compound will be optically active	A. Succinic acid B. Meso tartaric acid

C. Acetic acid

D. Lactic acid

16 Hydrolysis of protein gives

A. a -amino acid only

B. b-amino acids only

C. gama amino acid only

D. A mixture of all of these

17 The vitamin which is related to monosaccharides is.

A. Vitamin A

B. Vitamin C

C. Vitamin D

D. Vitamin E

18 Which of the following is not a naturally occurring dye.

A. Indigo

B. Indigotin

C. Alizarin

D. Malachite green

19 Which of the following pair on aldol condensation followed by dehydration gives methyl vinyl ketone.

A. HCHO and CH₃COCH₃

B. HCHO and CH₃CHO

C. CH₃CHO and CH₃CHO

D. CH₃COCH₃ and CH₃COCH₃

20 Which of the following groups exert -I effect.

A. - NO₂

B. - CN

C. -COOH

D. <math>C = O</math>