

Time: One Hour

Max. Marks: 25

Instructions

Solve any 25 questions from Q.1 to Q.30

- 1 Furan reacts with n-butyl lithium to give _____
(A)3-lithium furan (B)2-lithium furan (C)2-butyl furan (D)All of these
- 2 Nitration of Pyrrole is best carried out using _____
(A)Nitric acid (B)Ammonium Nitrate (C)Conc. HNO₃ and H₂SO₄ (D)Conc. HNO₃/ (CH₃CO)₂O
- 3 Which of the following Heterocyclic compound is not aromatic
(A)Pyridine (B)Furan (C)Piperidine (D)Pyrrole
- 4 Number of π electrons in isoquinoline is _____
(A)2 (B)4 (C)6 (D)10
- 5 IUPAC name of Pyridine _____
(A)Azole (B)Oxine (C)Azine (D)None of these
- 6 The product of Bischler-Napieralski synthesis is-----
(A)Quinoline (B)Isoquinoline (C)Indole (D)pyridine
- 7 Pyridine when treated with soda-amide it gives mainly-----
(A)2-amino pyridine (B)3-amino pyridine (C)4-amino pyridine (D)none of these
- 8 The Sulphur atom in thiophene is-----
(A)Sp³ Hybridized (B)Sp² Hybridized (C)Sp Hybridized (D)none of these
- 9 Which of the following is a monosaccharide
(A)Sucrose (B)Maltose (C)Glucose (D)Lactose
- 10 What reagent converts sugars to Osazones
(A)C₆H₅NH-NH₂ (B)NH₃ (C)NH₂-OH (D)NO₂
- 11 Which of the following carbohydrates is not a reducing sugar _____
(A)Starch (B)sucrose (C)fructose (D)Lactose
- 12 Lactose on hydrolysis yield _____
(A)Fructose (B)Glucose (C)Galactose (D)both b and c
- 13 Maltose is the compound of -----
(A)Monosaccharide (B)Disaccharide (C)trisaccharide (D)Tetrasaccharide
- 14 The number of Asymmetric carbon atom in glucose is-----
(A)1 (B)2 (C)3 (D)4
- 15 Cellulose contains-----no. of sugar units.
(A)Indefinite (B)Single (C)Double (D)triple
- 16 D-glucose & D-mannose are differ in configuration at-----
(A)C-2 (B)C-3 (C)C-4 (D)C-5
- 17 Which of the following polymers contain nitroget
(A)PVC (B)Teflon (C)Terylene (D)Nylon
- 18 Repeating unit present in natural rubber are -----
(A)Propene (B)Isoprene (C)Chloroprene (D)Butene
- 19 Neoprene is a polymer of following monomer-----
(A)Isoprene (B)Chloroprene (C)Isopentene (D)Isobutene
- 20 Nitrile rubber (GRA) is synthesized from butadiene and-----
(A)isoprene (B)chloropren (C)acrylonitrile (D)all of these
- 21 Purest form of cellulose is-----
(A)Wood (B)Xylose (C)Cotton d (D)Starch
- 22 Nylon -66 is prepared by condensing adipic acid and-----
(A)dimethylene diamine (B)tetramethylene diamine (C)Hexamethylene diamine (D)all of these
- 23 Sulphaguanidine is a drug _____
(A)Antiasthmatic (B)Antibiotic (C)Antipyretic (D)None of the above
- 24 Colour of the a compound is best explained by _____
(A)Molecular orbital theory (B)Valence bond theory (C)Witts theory (D)None of the above
- 25 Which of the following is a chromophore
(A)-SO₃H (B)-OH (C)-NO₂ \ (D)-COOH
- 26 Melachite green is.....
(A)Nitro dye (B)Nitroso dye (C)Azo dye (D)Tri aryl methane dye
- 27 The drug paracetamol is used as-----

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- (A)Anti pyretic (B)Antibiotic (C)Anti asthmatic (D)None of these
- 28 Alazarin is -----
- (A)Nitro dye (B)Nitroso dye (C)Anthraquinone dye (D)Azo dye
- 29 The dye obtained from plant Indigofera species is-----
- (A)Indigotin (B)Congo red (C)Crystal violet (D)Methylene blue
- 30 Which drug is used as an antiseptic-----
- (A)Boric acid (B)Chlorine (C)Iodine (D)All of these