
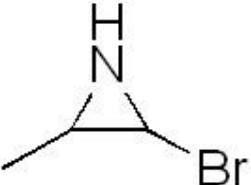
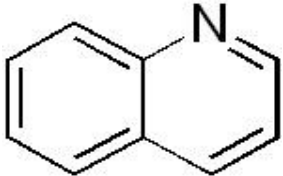


Question	Option1	Option2	Option3	Option4	CorrectAnswers
Identify the correct IUPAC name for the given structure 	Bicyclo [2.1.1] heptane	Bicyclo [2.2.1] peptane	Bicyclo [2.2.1] heptane	Bicyclo [2.2.1] hexane	3
Identify the correct IUPAC name for the given structure 	2-bromo-3-methyl-aziridine	2-methyl-3-boromo-aziridine	2-bromo-3-methyl-azitidine	1-bromo-2-methyl-azitidine	1
Identify the correct IUPAC name for the given structure 	Benzo [b] pyridine	Benzo [b] pyridimidine	Benzo [c] pyridine	Benzo [c] pyridimidine	1
Which of the following heterocycle can undergo Diels Alder adduct formation reaction?	Pyrimidine	Furan	Thiophene	Pyrrole	2
Which heterocycles is not an example of fused heterocycle?	Quinoline	Acridine	Phenothiazine	Pyrimidine	4
Reaction of thiophene with n-BuLi in ether gives:	Thiophene-2-carboxylic acid	Thiazole-1-carboxylic acid	Thiophene-3-carboxylic acid	Thiole-2-carboxylic acid	1

Cyclodehydration of an acyl derivative of $\beta$ -phenylethylamine to give 3,4-dihydroisoquinoline in presence of $ZnCl_2$ is known as_____	Pall-knorr synthesis	The Pomeranz-Fritsch synthesis	The Pictet-Gams synthesis	The Bischler-Napieralski synthesis	4
Which among the following is an example of non-aromatic heterocycle	Furan	Thiophene	Morpholine	Pyrimidine	3
Compounds possessing the Cyclopenta[a]phenathrene is referred as	Steroids	Alkaloids	Flavons	Synthons	1
Oxidation of isoquinoline with alkaline $KMnO_4$ gives largely?	Pthalic acid	Acetamide	Isoindoline-1,3-dione	Isoquinoline-1,3-dione	1
Identify the ring with sulphur as a heteroatom	Pyrrole	Thiophene	Furan	Oxazole	2
Identify the heterocycle with nitrogen and oxygen as a heteroatom	Pyrrole	Morpholine	Piperidine	Quinoline	2
Diels-Alder reaction can be carried out in which of the following heterocyclic compounds most readily?	Pyrrole	Thiophene	Furan	Pyridine	3
Thiamine contains _____ ring	Thiophene	Furan	Pyridine	Pyrimidine	4
EAS reaction usually occurs at _____ position of thiophene?	2nd position	3rd position	4th position	2nd and 3rd position	1
Which among the following is biodegradable polymers	Poly vinyl chloride	Polystyrene	Dextran	Polyethylene	3
The hydrocarbon with methyl groups at C-10 and C-13 but without a side at C-17 is named as_____.	Gonane	Estrane	Pregnane	Androstane	4

In polymer structure, if all the substituents lay on one side of the chain the configuration is called as _____.	Atactic	Isotactic	Copolymer	Syndiotactic	2
Identify the correct the statement about the hydrolysis	Acetates of 5 $\alpha$ -cholestane-3 $\beta$ -ol get more rapidly hydrolysed than 5 $\alpha$ -cholestane-3 $\alpha$ -ol	Both 5 $\alpha$ -cholestane-3 $\beta$ -ol and 5 $\alpha$ -cholestane-3 $\alpha$ -ol can not undergo hydrolysis	Acetates of 5 $\alpha$ -cholestane-3 $\alpha$ -ol get more rapidly hydrolysed than 5 $\alpha$ -cholestane-3 $\beta$ -ol	Both 5 $\alpha$ -cholestane-3 $\beta$ -ol and 5 $\alpha$ -cholestane-3 $\alpha$ -ol undergo hydrolysis at equally speed	1
In free radical polymerization,	Three important stages are initiation, propagation and termination	Two monomers react to form a larger molecule and eliminate a smaller molecule	Initiator is not required	Known as step growth polymerization	1
The _____ degradation cleaves one at a time from the N-terminus and forms amino acids detectable, separable derivative for each amino acid.	Zeigler	Edman	Strecker	Hoffman	2
Bromination of -keto steroid such as 5 $\beta$ -cholestane -3-one gives	4-bromo derivatives	2-bromo derivatives	2,4-dibromo derivative	Mixture of 2 and 4-bromo derivatives	1
Which among the following heterocycles contains two heteroatoms its structure?	Indole	Quinoline	Isoquinoline	Pyrimidine	4
Formylation of an aromatic ring using disubstituted formamide and POCl <sub>3</sub> is known as _____.	The Vilsmeier-Haack reaction	Suzuki coupling reaction	Hinseberg condensation reaction	Pall-Knorr reaction	1
When aniline is heated with glycerol, conc. Sulphuric acid and nitrobenzene it gives?	Quinoline	Isoquinoline	Pyrrrole	Indole	1