

Most Repeated Questions in JEE Main Chemistry from Glucose

Q: Statement I : D-glucose pentaacetate reacts with 2,4- dinitrophenylhydrazine

Statement II : Starch, on heating with concentration sulfuric acid at 100°C and 2-3 atmospheric pressure produces glucose.

- (a) Statement I is true but Statement II is false
- (b) Both Statement I and Statement II are true
- (c) Statement I is false but Statement II is true
- (d) Both Statement I and Statement II are false

Q: Sugar which does not give reddish brown precipitate with Fehling's reagent, is:

- (A) Glucose (B) Sucrose (C) Lactose (D) Maltose

Q: Match List I with List II

1-Bromopropane is reacted with reagents in List I to give product in List II

List I	List II
A.Glucose/ NaHCO_3/Δ	I.Gluconic acid
B.Glucose/ HNO_3	II.No reaction
C.Glucose/ HI/Δ	III.n-hexane
D.Glucose/Bromine water	IV.Saccharic acid