

CBSE Sample Paper – 2015
Class – 12th
Subject - Chemistry

Class-12	JNV KODINAR chap-10,11	M.marks 25
<ol style="list-style-type: none"> 1. Why sulphuric acid is not used during the reaction of alcohols with KI? 1 2. Explain swarts reaction. 1 3. How o- and p- niterophenols are separated? 1 4. Conert (a) ethyl manesium chloride to propan-1-ol (b) o-hydroxy benzoic acid from phenol. 2 5. How is 1-propoxypropane synthesised from propan-1-ol? Write mechanism. 2 6. Alcohol is weak acid than phenol, explain. 2 7. Convert (a)chlorobenzene to p-nitrophenol. (b)bromomethane to propanone. 2 		
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7.	Convert (a)chlorobenzene to p-nitrophenol. (b)bromomethane to propanone.	2
8.	Explain why (a) the dipole moment of chlorobenzne is lower than that of cyclohexyl chloride? i. (b) grignard reagent should be prepared under anhydrous condition.	2
9.	Explain S_N1 and S_N2 reaction.	3
10.	Primary alkyl halide C_4H_9Br (a) reacted with alc. KOH to give compound (b). Compound (b) is reacted With HBr to give (c) which is an isomer of (a). when (a) is reacted with Na metal it give (d), C_8H_{18} which is different from the compound formed when n-butyl bromide is reacted with Na metal . Give the structural formula of (a) and write the equations.	3
11.	Explain williamsons synthesis in detail. Also write its limitations.	3
12.	Explain (i)what is meant by hydroboration-oxidation reaction? Illustrate with example. (ii)give the equation of preparation of phenol from cumene.	3
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