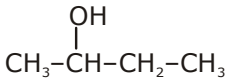
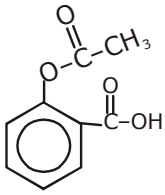
HINTS & SOLUTIONS : ORGANIC

168. [D]


oxidise to 2-butanone which gives idoform test.

169. [C]


is Asprin

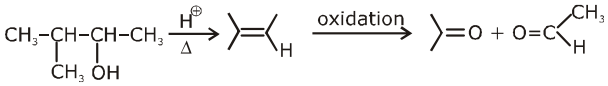
170. [D]

Ether React with H_2SO_4 and form salt $\therefore$ It dissolve but It does not react with Br_2,HOH or Na.

171. [C]

It is Reimer Tiemann Reaction.

172. [A]



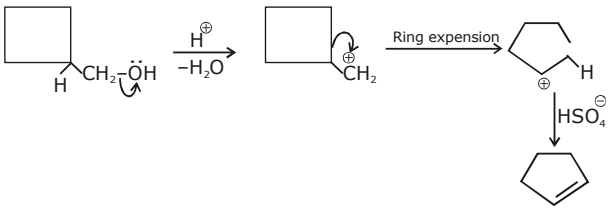
173. [D]

Viccinal diol, α-hydroxy carbonyl can react with HIO_4 but not Isolated diol.

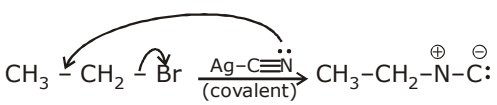
174. [B]

Rate of Dehyration α stability of carbocation

175. [C]



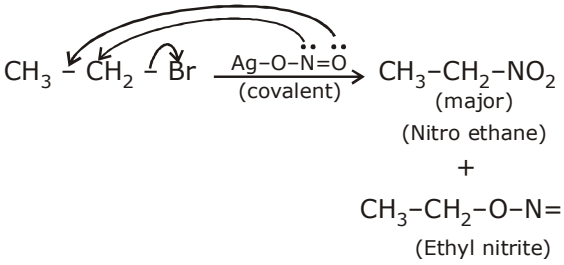
176. [B]



177. [B]

It is sandmey's reaction

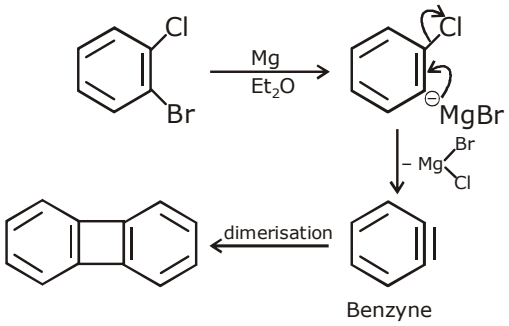
178. [C]



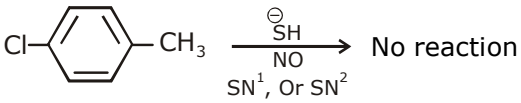
179. [C]

Bond strength α bond order α $\frac{1}{\text{bond length}}$

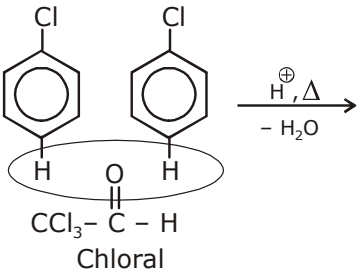
180. [C]



181. [D]



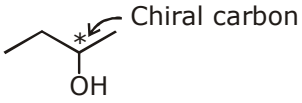
182. [A]



183. [C]

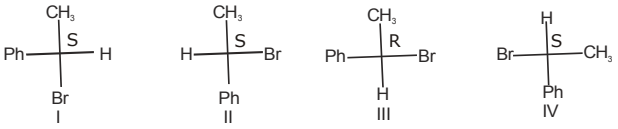
Intramlecular cannizaro reaction.

184. [C]



Secondary butyl alcohol.

185. [C]



{II & III are enantiomers pair }

186. [C]

(Resonance)

187. [B]

Conc. HNO_3 + Conc. $H_2SO_4 \rightarrow$

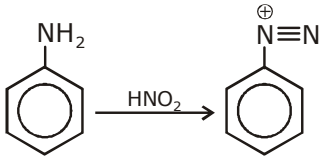
$\overset{\oplus}{N}O_2 + H_2O + HSO_4^{\ominus}$

Nitronium

188. [A]

$\overset{\oplus}{N}O_2$ Nitronium

189. [C]



190. [C]

It is electrophilic substitution reaction.

191. [C]

Maximum covalency of nitrogen is 4.

192. [B]

electronegativity of O > N {I & III have same no. of covalent bond }

+ change on electronegative atom is less stable

Hence, III > I.

$\therefore$ III > I > II.