

NEET ANSWER KEY & SOLUTIONS

SUBJECT :- CHEMISTRY

CLASS :- 12th

PAPER CODE :- CWT-8

CHAPTER :- ALCOHOL, PHENOL & ETHER

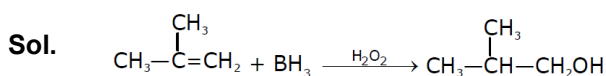
ANSWER KEY

1.	(A)	2.	(C)	3.	(C)	4.	(C)	5.	(B)	6.	(C)	7.	(C)
8.	(B)	9.	(D)	10.	(A)	11.	(A)	12.	(B)	13.	(A)	14.	(B)
15.	(B)	16.	(A)	17.	(D)	18.	(A)	19.	(C)	20.	(C)	21.	(C)
22.	(C)	23.	(B)	24.	(D)	25.	(C)	26.	(A)	27.	(C)	28.	(C)
29.	(D)	30.	(B)	31.	(B)	32.	(D)	33.	(C)	34.	(D)	35.	(C)
36.	(A)	37.	(A)	38.	(D)	39.	(B)	40.	(A)	41.	(B)	42.	(B)
43.	(C)	44.	(A)	45.	(A)	46.	(B)	47.	(C)	48.	(B)	49.	(C)
50.	(C)												

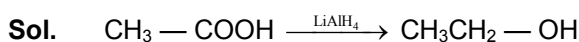
SOLUTIONS

SECTION-A

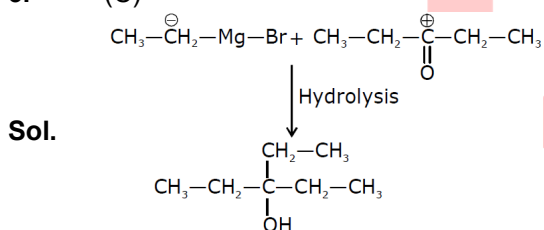
1. (A)



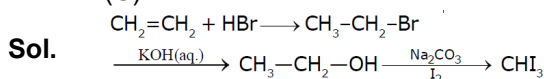
2. (C)



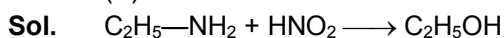
3. (C)



4. (C)



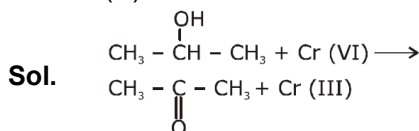
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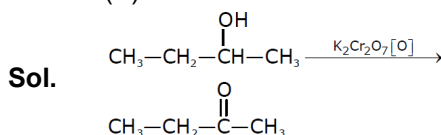
6. (C)

Sol. Lederer-Manasse reaction gives ortho and para product only.

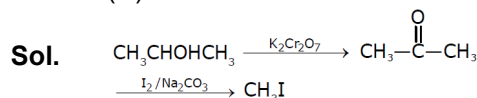
7. (C)



8. (B)



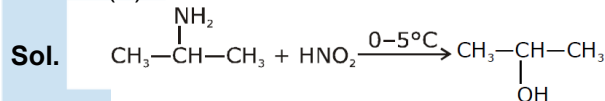
9. (D)



10. (A)

Sol. When treated with HBr or HCl alcohol typically undergo a nucleophilic substitution reaction to generate an alkyl halide and water. Alcohol relative reactivity order $3^\circ > 2^\circ > 1^\circ > \text{methyl}$. Methanol and primary alcohol will proceed via an $\text{S}_{\text{N}}2$ mechanism since these have highly unfavourable carbocation.

11. (A)



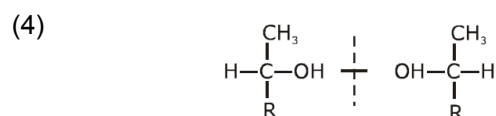
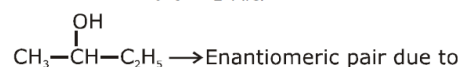
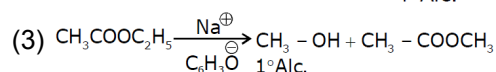
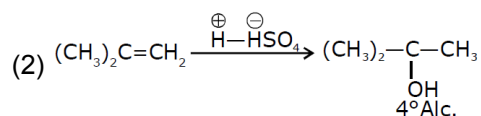
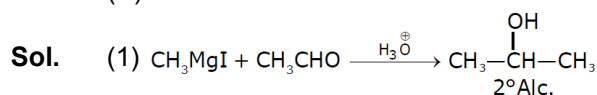
12. (B)

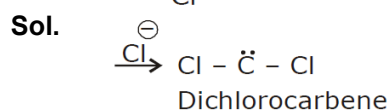
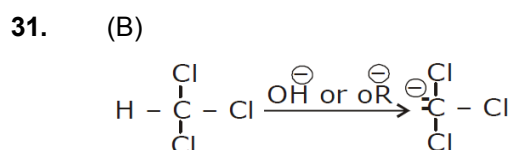
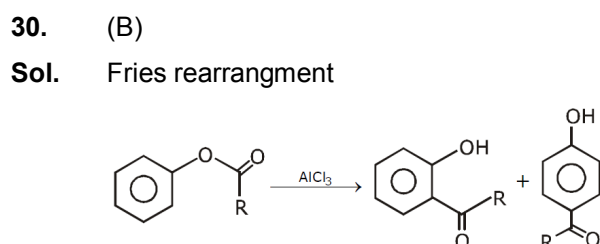
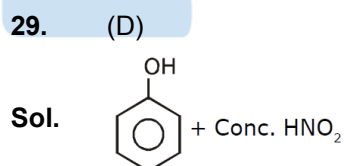
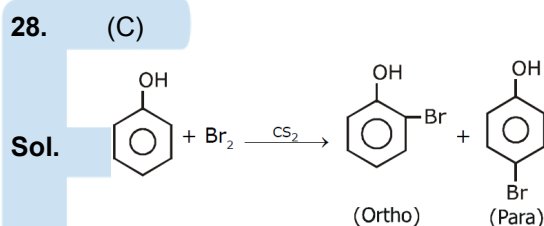
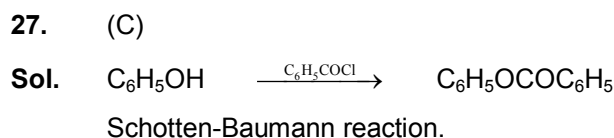
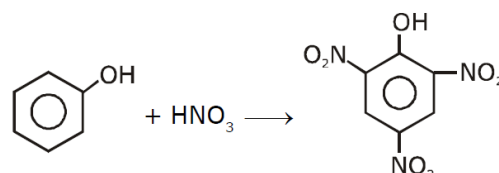
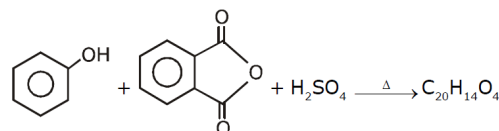
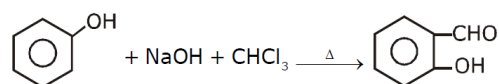
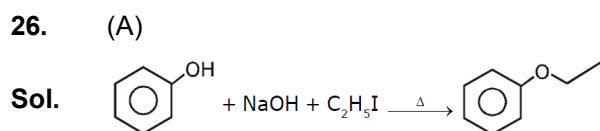
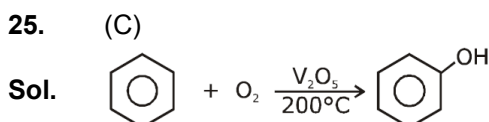
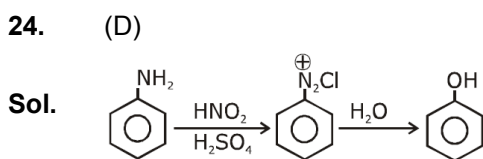
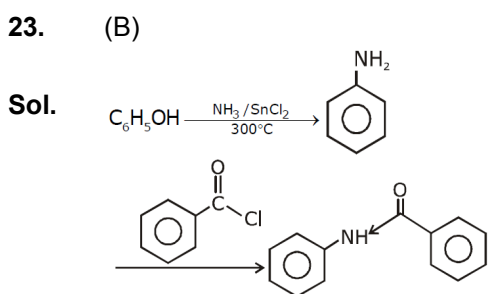
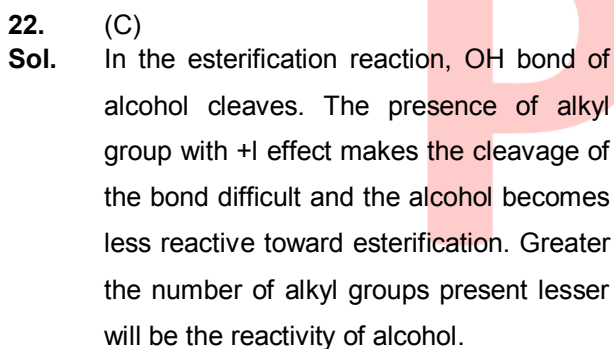
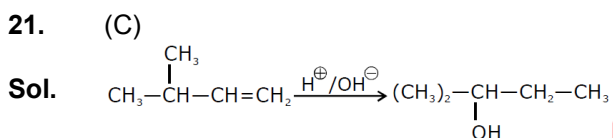
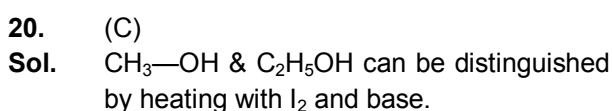
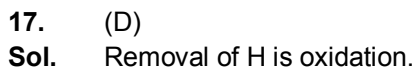
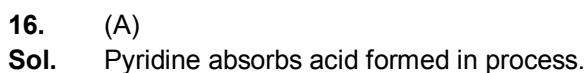
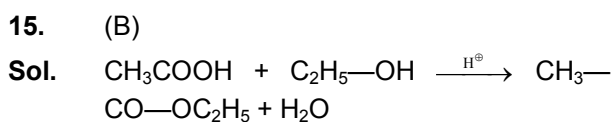
Sol. $\text{CH}_3-\text{CH}_3-\text{CH}_2-\text{OH}$ undergo oxidation.

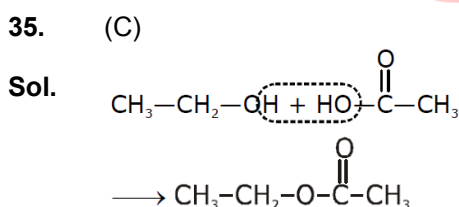
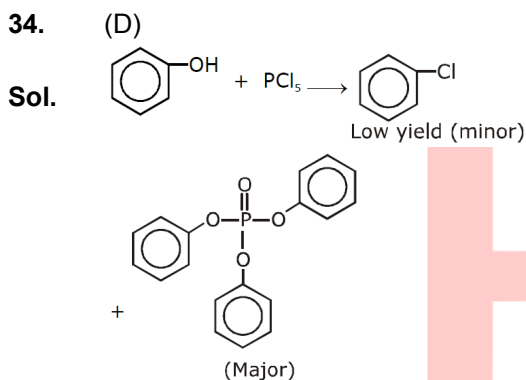
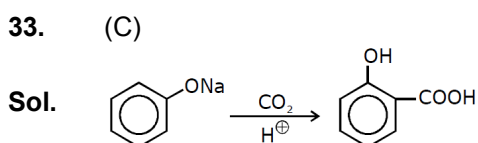
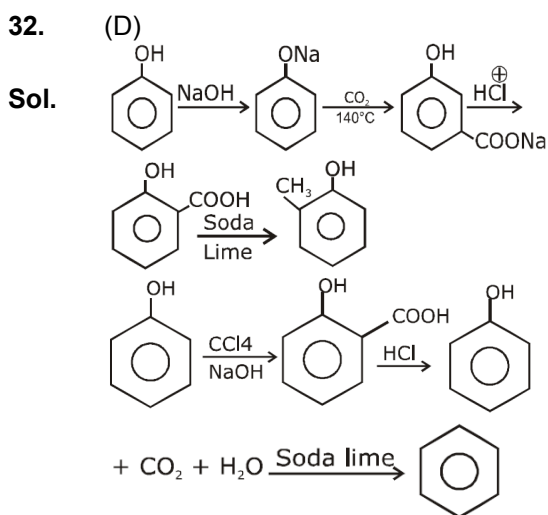
13. (A)

Sol. With increase in branching, molecule becomes spherical and have less hydrogen bonding. Hence 3° will have least boiling point.

14. (B)







SECTION-B

