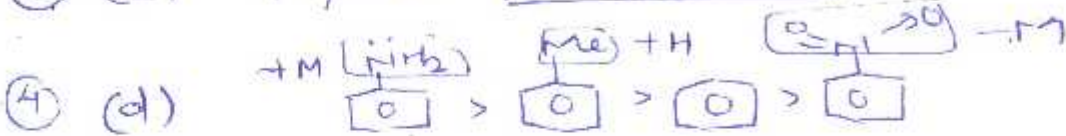
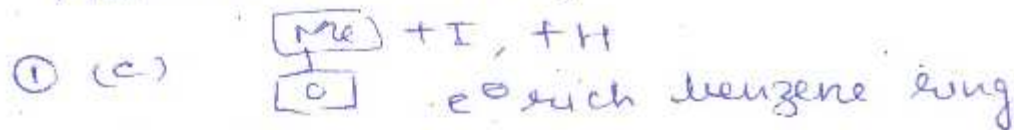
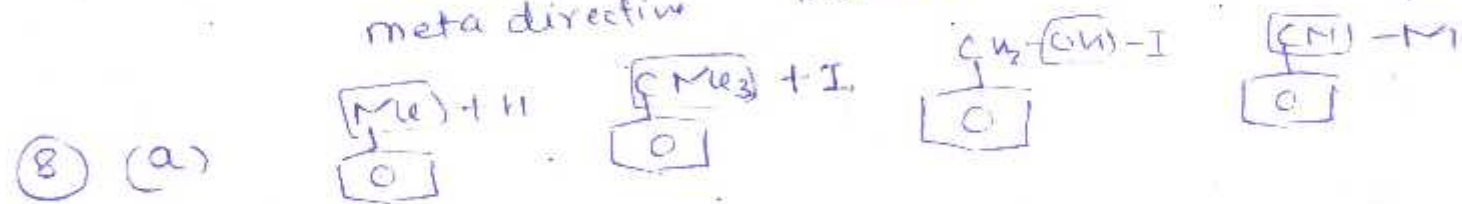
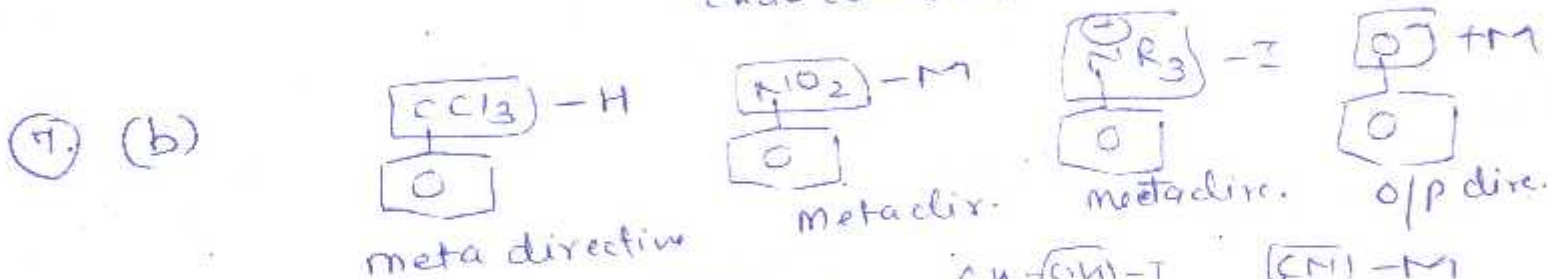
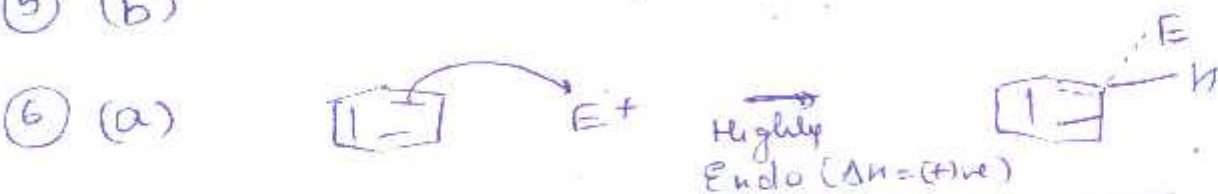


HOME ASSIGNMENT - I

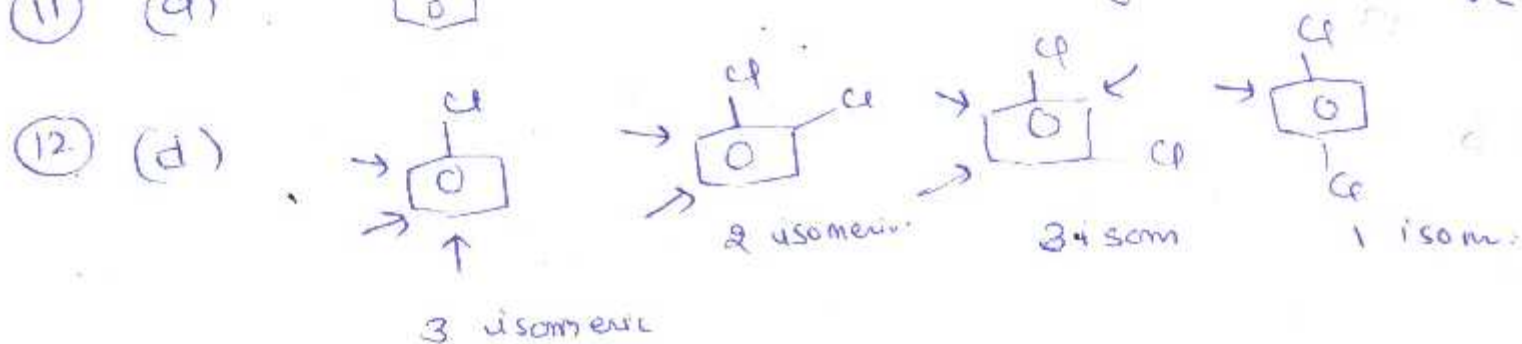
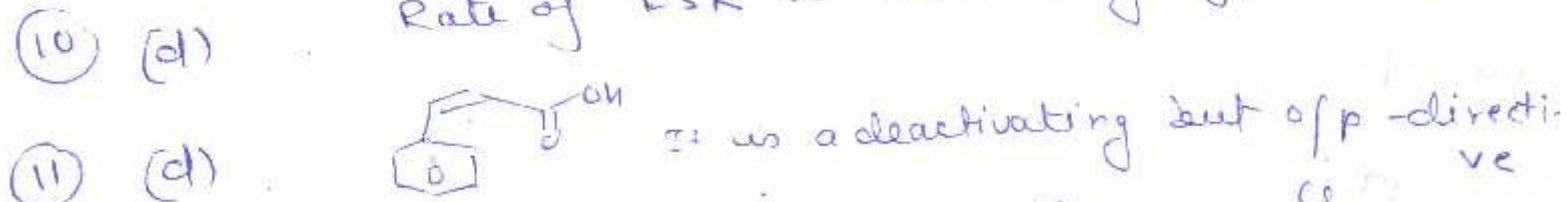
PART - A (OBJECTIVE)



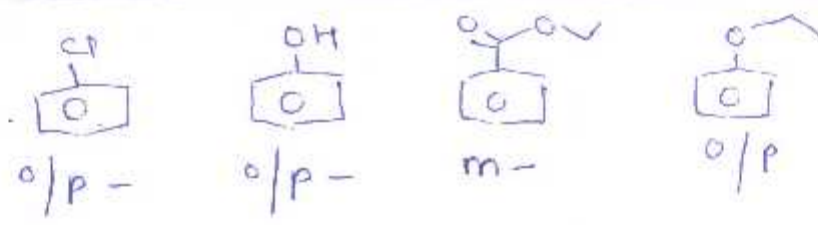
⑤ (b)



Rate of ESR ∝ activating gp. (+M, +H, +I)



13 (c)

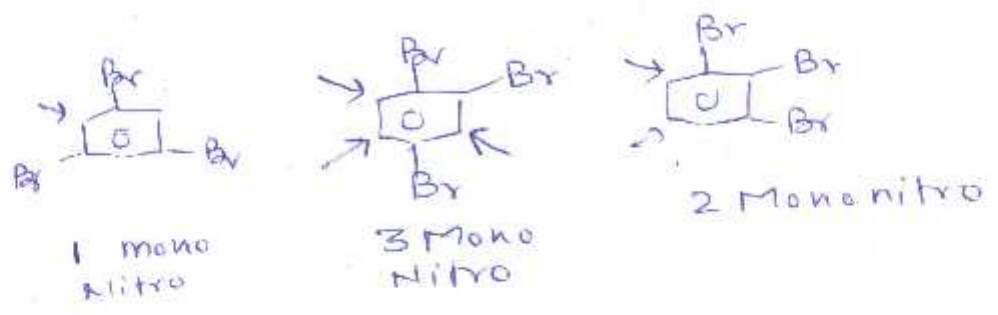


14 (b)



15 (b)

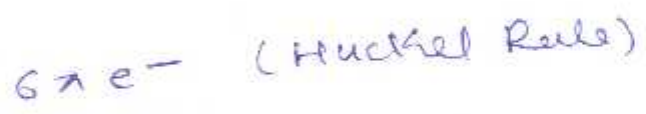
16 (a)



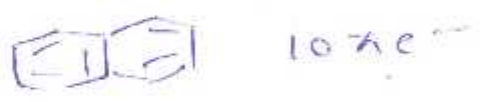
17 (a)



18 (b)

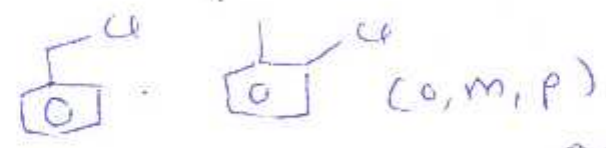


19 (c)

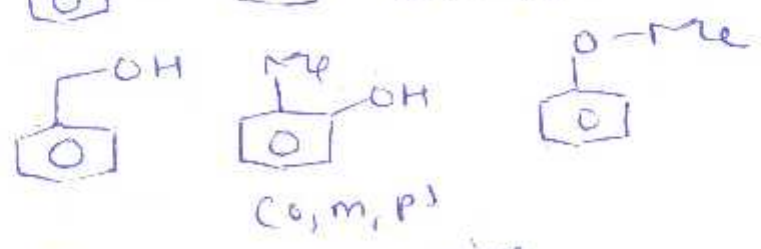


20 (c)

21 (b)



22 (b)

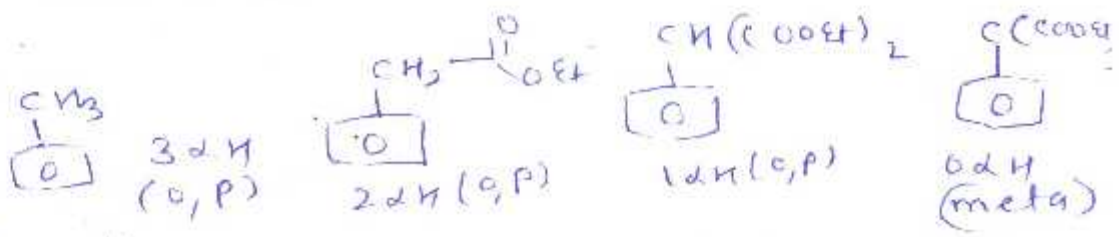


23 (d)

$e^-$  rich benzene ring

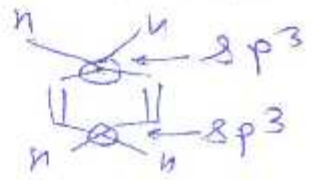
24 (b)

25 (a)



26 (d)

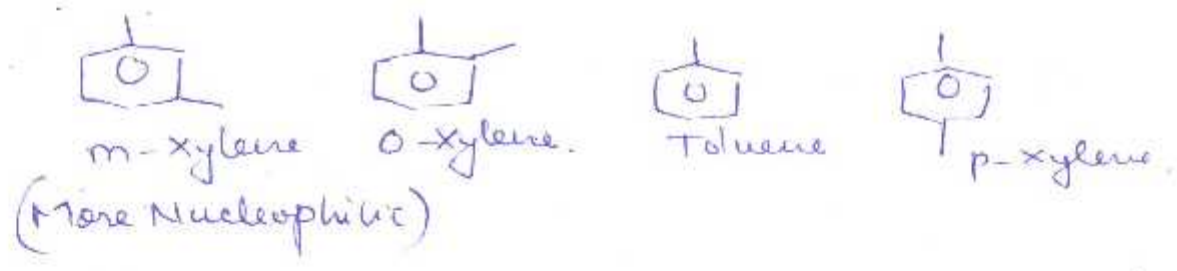
27 (B)



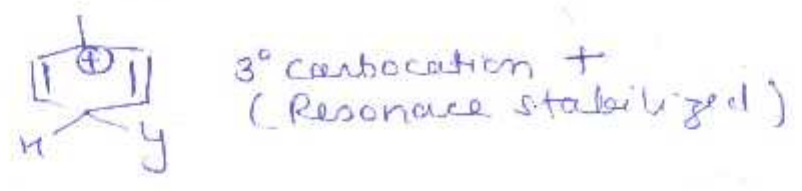
non planar (non aro.)

28 (D)

29 (A)

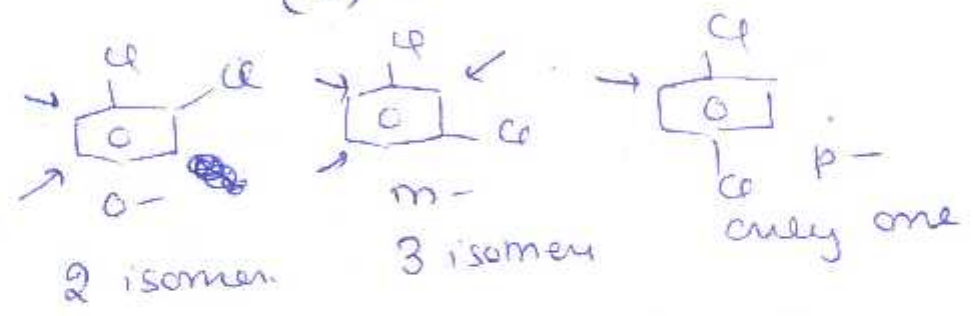
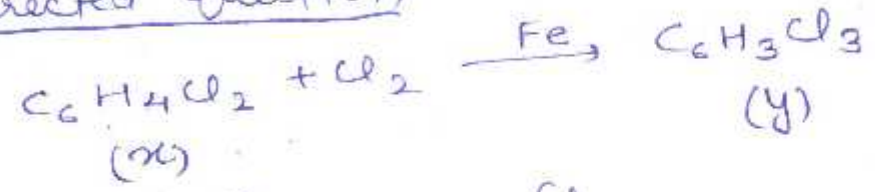


30 (B)

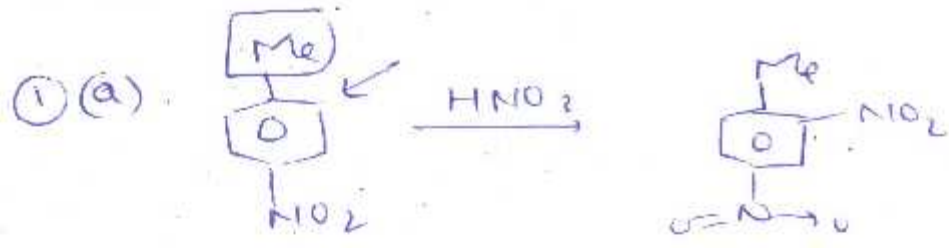


31 (C)

corrected question



HOME ASSIGNMENT-2

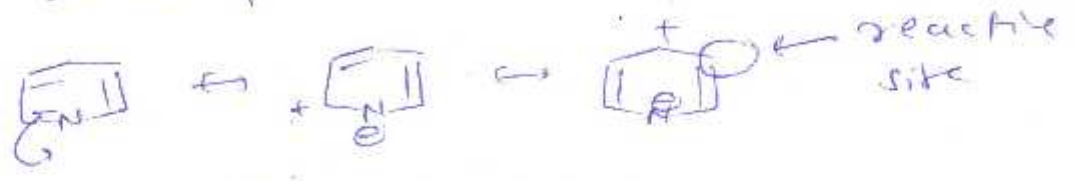


② (a)

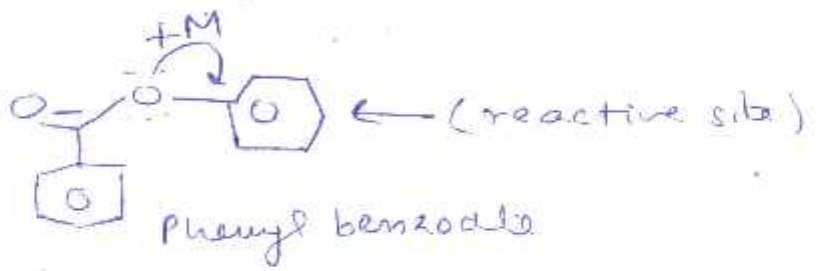
③ (c)

④ (b)

9, 2, 10 positions are most reactive



⑤ (b)

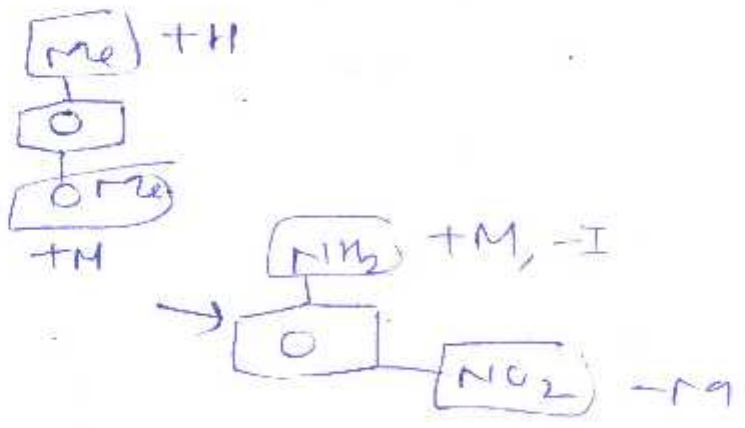


⑥ (d)

⑦ (a)

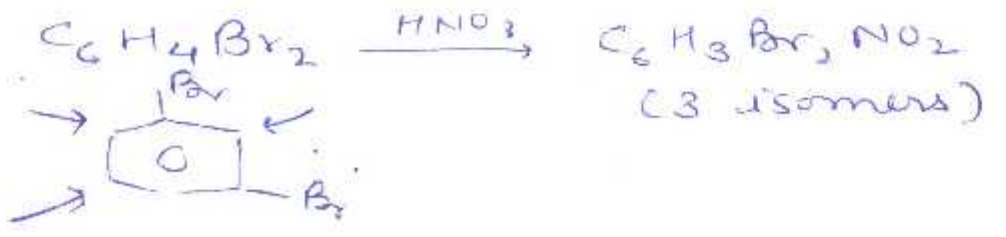
⑧ (c)

⑨ (b)



⑩ (b)

⑪ (b)



⑫ (d)

⑬ (c)

same rate

⑭ (d)



- 15 (c)
- 16 (b)
- 17 (a)
- 18 (b)
- 19 (b)
- 20 (b)
- 21 (b)
- 22 (b)
- 23 (b)
- 24 (a)
- 25 (d)

corrected answer

corrected answer

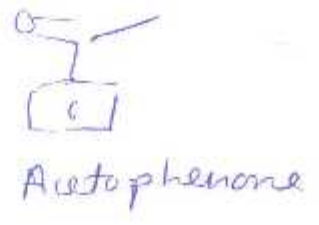
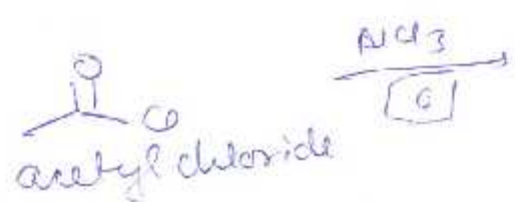
because HI is a strong reducing agent

corrected answer

HOME ASSIGNMENT - 3

- 1 (c)
- 2 (c)
- 3 (c)
- 4 (c)
- 5 (B)
- 6 (A)

slightly deactivated ring



7 (c)

8 (b)

9 (c)

10 (a)

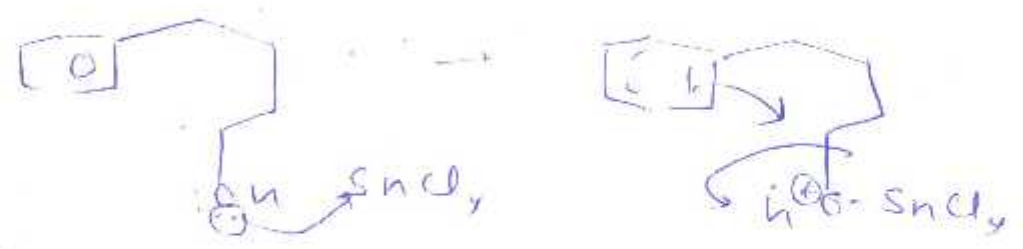
11 (c)

12 (d)

13 (d)

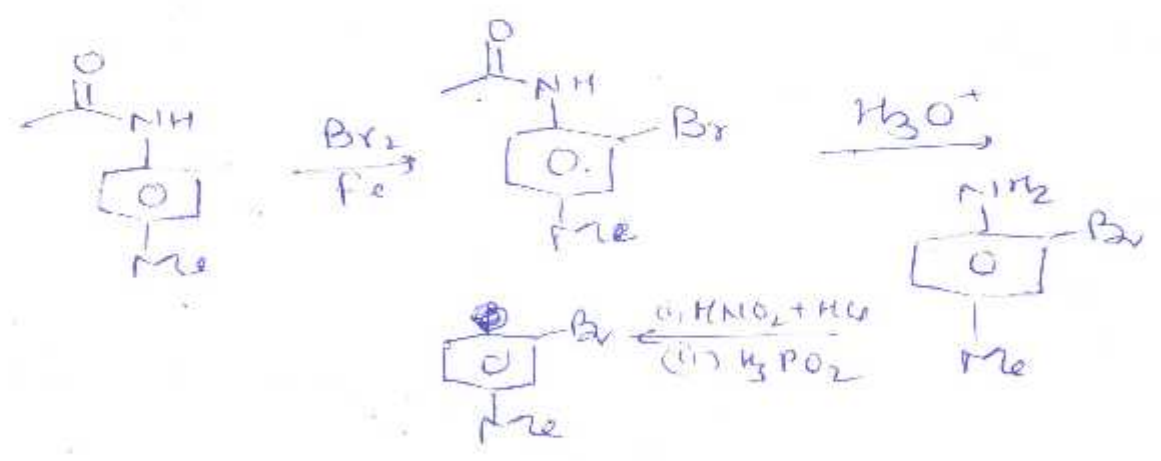
14 (a)

at room temp. no rearrangement



15 (a)

16 (d)



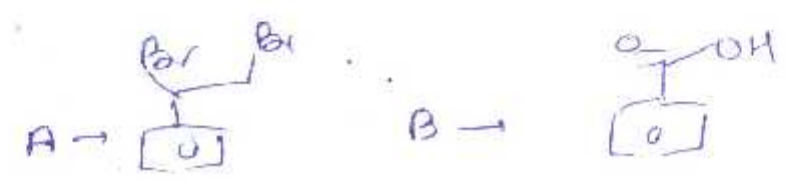
17 (B)

18 (B)

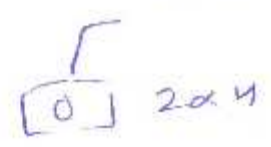


19 (c)

20 (D)

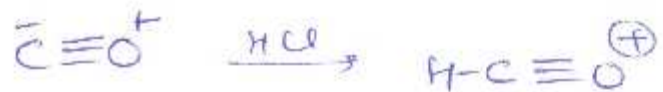


21 (c)



22 (D)

23 (b)



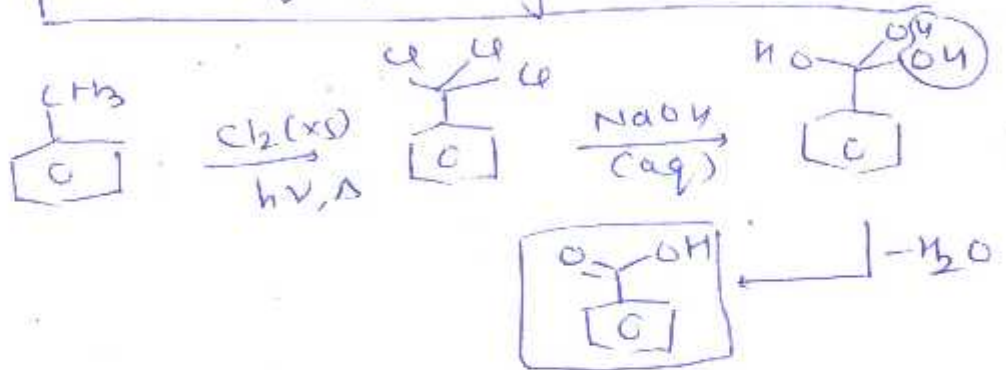
7



24 (d)

Get Equipped for IIT-JEE

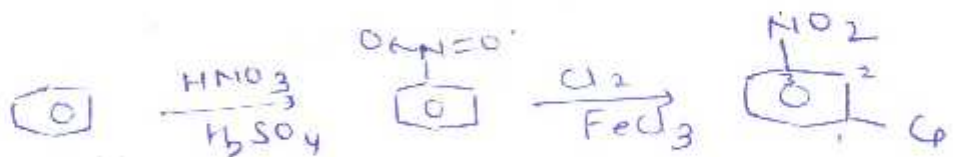
1 (d)



2 (c)

3 (c)

4 (b)



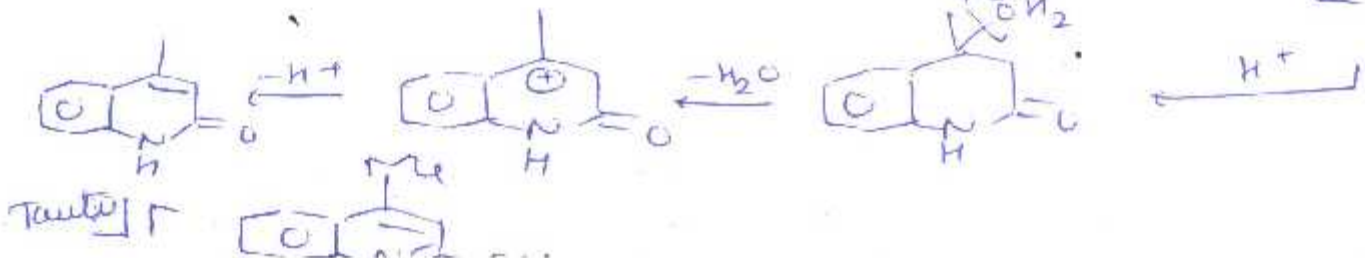
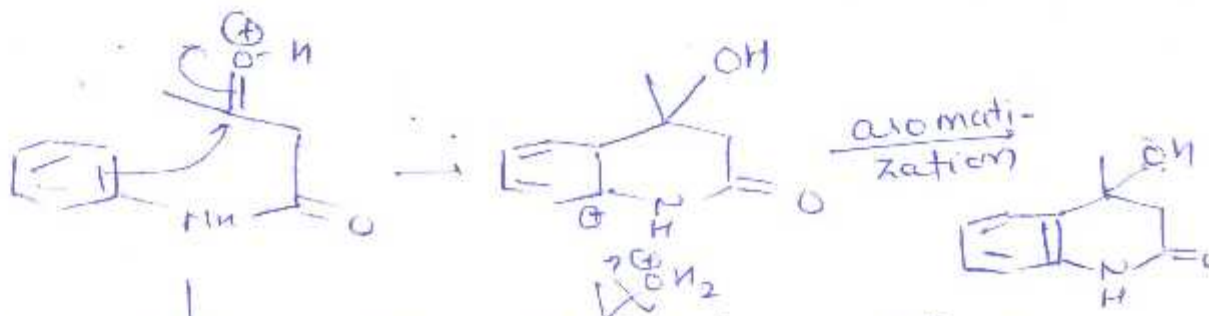
5 (a)

6 (c)

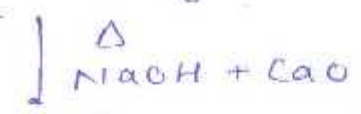
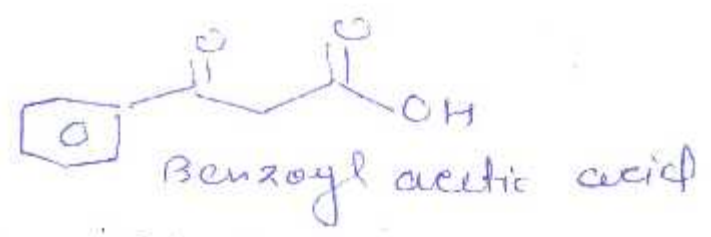
7 (d)

8 (d)

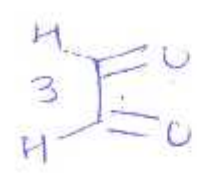
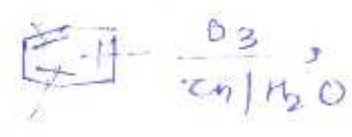
9 (d)



- 10 (C)
- 11 (A)



- 12 (B)



- 13 (d)

- 14 (C)

- 15 (C)

- 16 (d)

- 17 (C)

- 18 (d)

- 19 (d)

- 20 (a)

- 21 (a)

- 22 (d)

- 23 (C)

- 24 (C)

One or more may be correct

(follow huckel rule)

- 1 A, B, D

- 2 A, B, C, D

- 3 A, B, C, D

- 4 A, B, D

- 5 A, B,

- 6 A, B

- 7 A

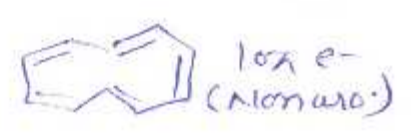
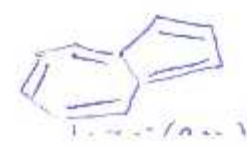
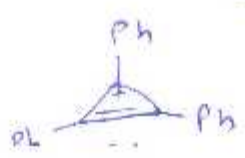
- 8 C, D

- 9 A, B, D

- 10 C

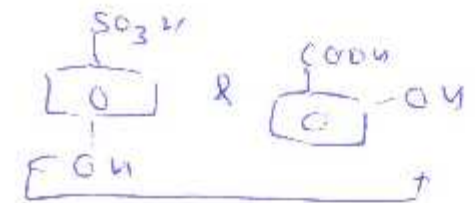
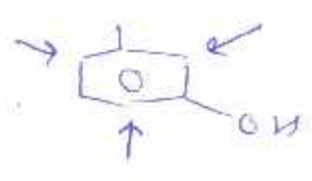
- 11 A, C

- 12 ABC



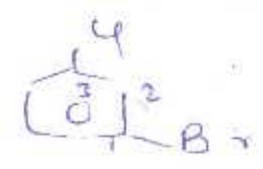


13 B, C, D



Ipsosubstitutions

14 B, C, D



→ Identical

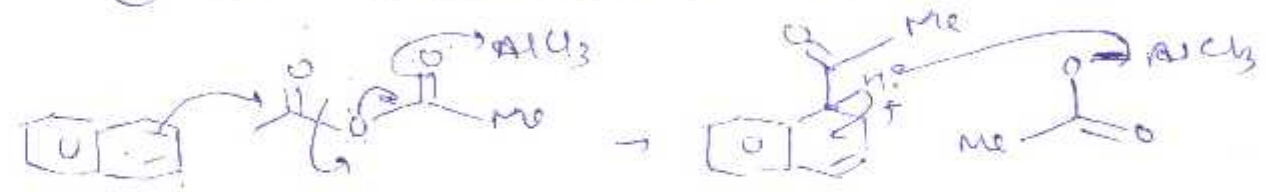
15 C, D

Paragraph

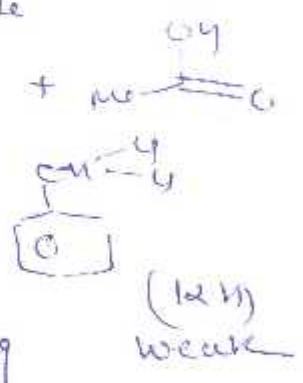
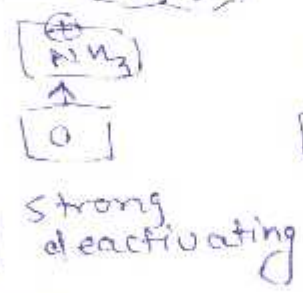
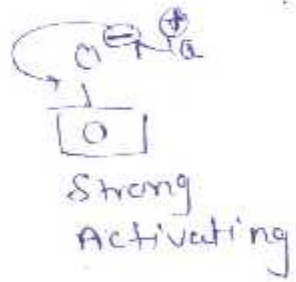
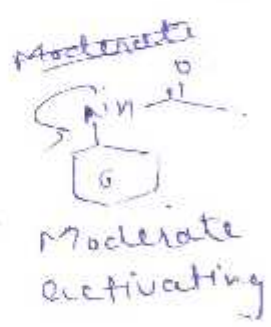
1 (a)

2 (b) Clemmensen reduction

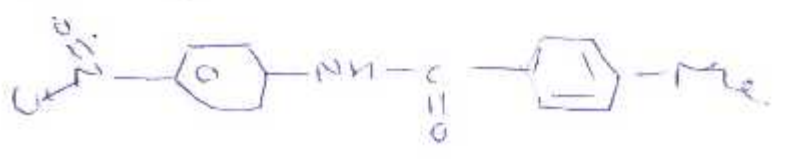
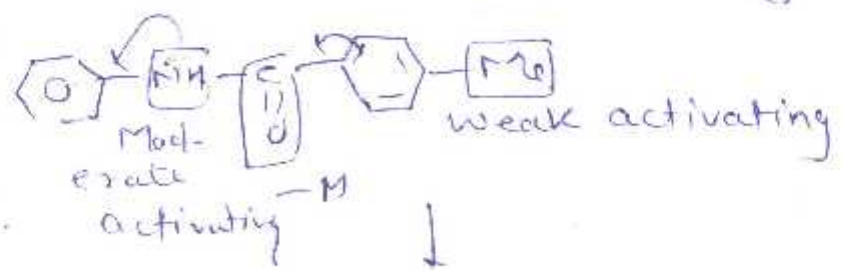
3 (b)



4 (b)



5 (d)



6 (C)

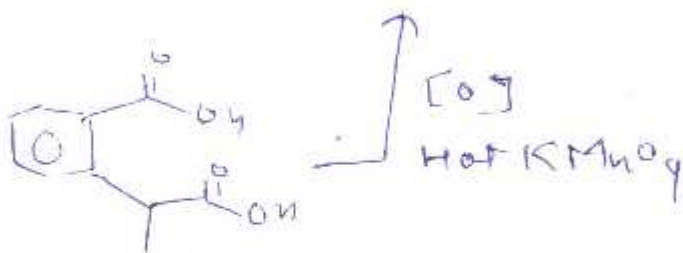
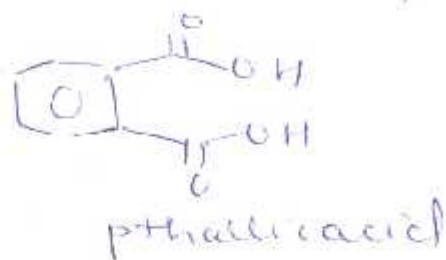
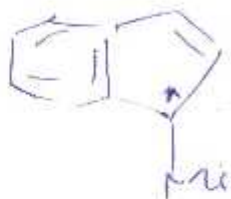
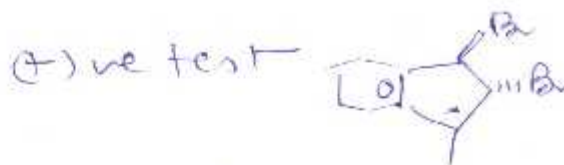


10

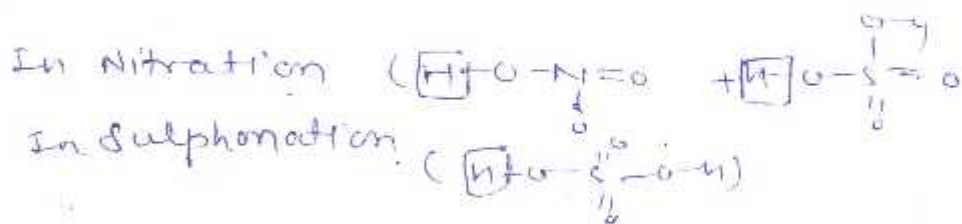
6 Position is more nucleophilic

7 (C)

$C_{10}H_{10}$   
DU = 6  
chiral



8 (C)

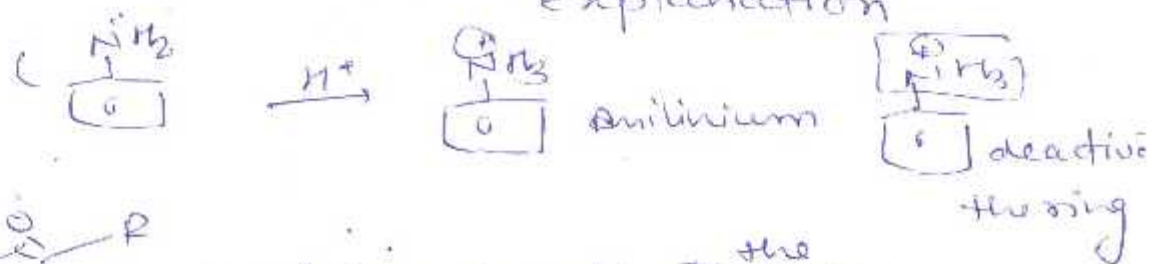


9 (C)

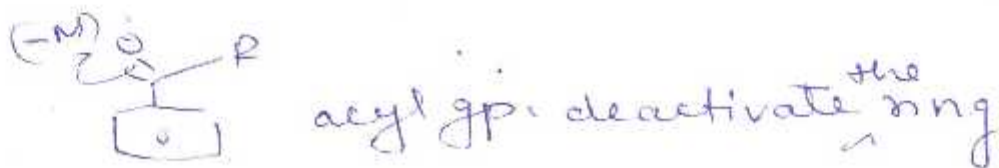
10 (D)

11 (A) Both are true & Reason is correct explanation

12 (D)



3 (D)



4 (A)

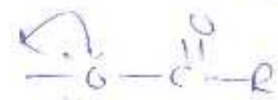
Exist in zwitter ion form

5 (C)

Assertion is true  
Reason is false

(6) (A)

Moderate activating



(7) (D)

Acidic strength  $\text{BBr}_3 > \text{BCl}_3 > \text{BF}_3$

(8) (B)