

**Topic : Aromatic compounds**

**Type of Questions**

Single choice Objective ('-1' negative marking) Q.1 to Q.5

(3 marks, 3 min.)

M.M., Min.

[15, 15]

Multiple choice objective ('-1' negative marking) Q.6 to Q.8

(4 marks, 4 min.)

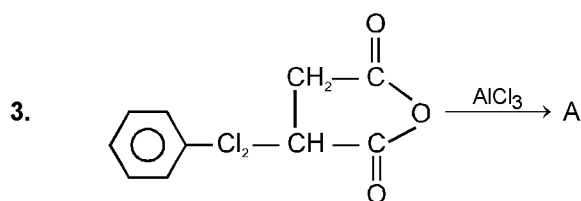
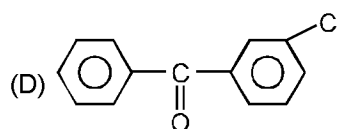
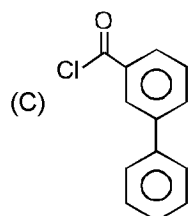
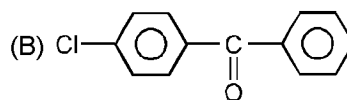
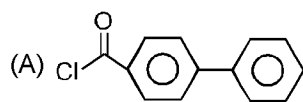
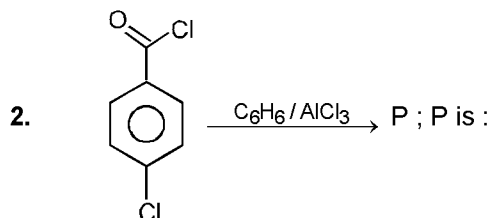
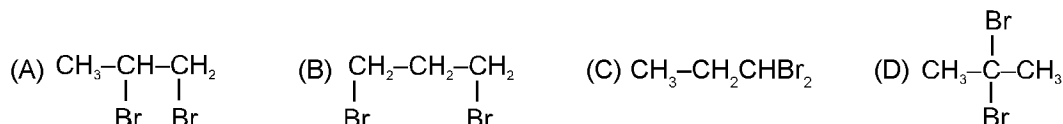
[12, 12]

Subjective Questions ('-1' negative marking) Q.9

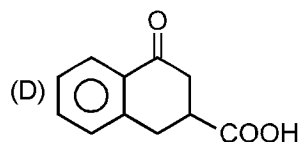
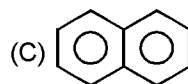
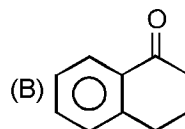
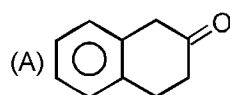
(4 marks, 5 min.)

[4, 5]

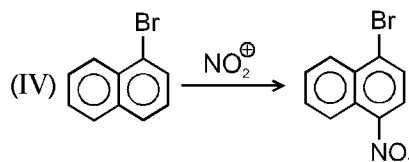
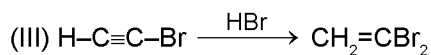
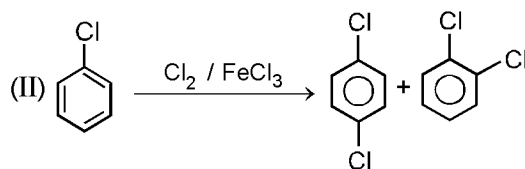
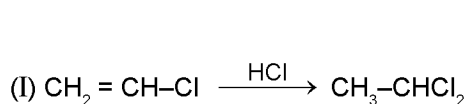
1. Allyl bromide during addition of HBr gives :



Find product A is :



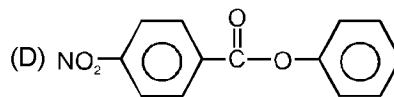
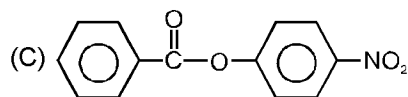
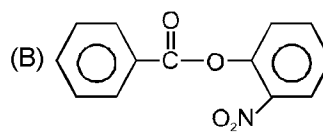
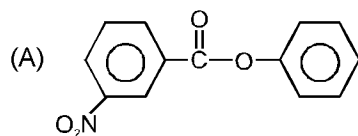
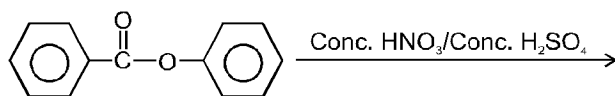
4. Which common factor is responsible for the regioselective nature of the following reactions.



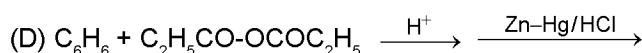
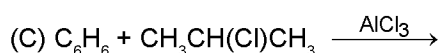
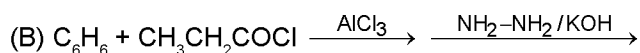
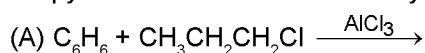
- (A) – I effect of halogens  
(C) + M effect of halogens

- (B) + I effect of halogens  
(D) – M effect of halogens

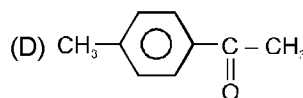
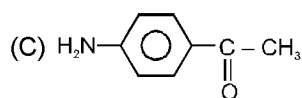
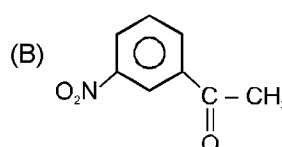
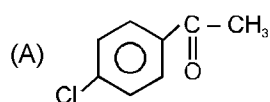
5. The major product formed in the reaction is,



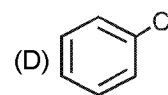
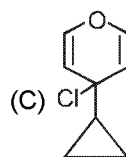
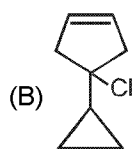
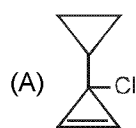
6.\* Propyl benzene can be obtained by :



7.\* Friedel craft acylation can not be used to obtain :



8.\* Which can give white precipitate with  $\text{AgNO}_3$



9. Halogens are deactivating groups but have ortho-para directing nature.



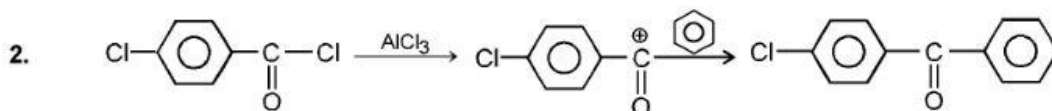
# Answer Key

## DPP No. # 16

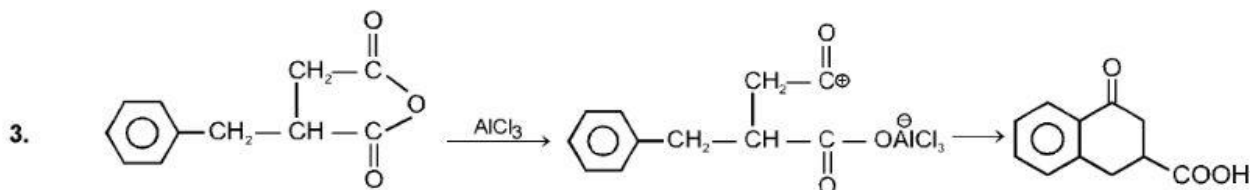
1. (A)      2. (B)      3. (D)      4. (C)      5. (C)  
6. (B,D)    7. (B,C)    8. (A,B,C)    9. True

# Hints & Solutions

## DPP No. # 16



Acylation is more favourable because of resonance stabilization.



4. The + M of Cl stabilizes the intermediate carbocation.  
9. Deactivating nature of halogen can be explain by - I & ortho-para directing nature can be explain by stability of intermediate by + M.

