

JEE MAIN ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — ACIDITY OF CARBOXYLIC ACIDS — PYQS

Max. Marks: 12

Questions: 3

Section A (MCQ) — 3 questions

Q.1 The correct order of acidic strength of the major products formed in the given reactions, is :

- A. $\text{PhNH}_2 \xrightarrow[(2) \text{ CuCN}, (3) \text{ H}_3\text{O}^+/\Delta]{(1) \text{ NaNO}_2 + \text{HCl} (< 5^\circ\text{C})} [\text{A}]$
- B. $\text{CH}_3\text{CH}_2\text{CHO} \xrightarrow[\Delta]{[\text{Ag}(\text{NH}_3)_2]^+, \text{OH}^-} [\text{B}]$
- C. $\text{CH}_4 + \text{O}_2 \xrightarrow[(ii) \text{ Na}_2\text{Cr}_2\text{O}_7/\text{H}^+]{(i) \text{ Mo}_2\text{O}_3} [\text{C}]$
- D. $\text{PhCH}_2\text{MgBr} + \text{CO}_2 \xrightarrow[\text{H}_3\text{O}^+]{\text{Dry ether}} [\text{D}]$

Choose the **correct** answer from the options given below :

[JEE Main 2026 (Online) 28th January Evening Shift]

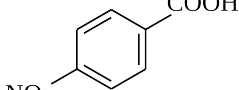
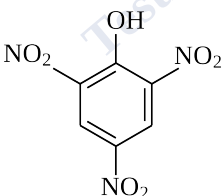
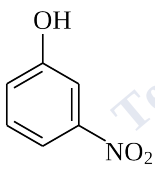
- (1) $\text{C} > \text{A} > \text{D} > \text{B}$ (2) $\text{A} > \text{D} > \text{C} > \text{B}$
 (3) $\text{A} > \text{D} > \text{B} > \text{C}$ (4) $\text{C} > \text{B} > \text{A} > \text{D}$

Scan or tap for the full solution



Q.2 Which of the following compounds is least likely to give effervescence of CO_2 in presence of aq. NaHCO_3 ?

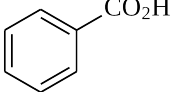
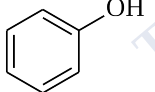
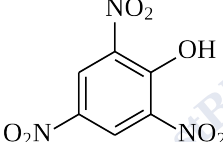
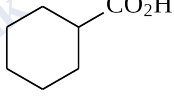
[JEE Main 2025 (Online) 7th April Morning Shift]

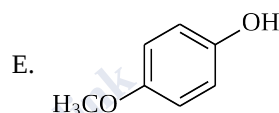
- (1) $\text{Ph}-\text{NH}_3^+\text{Cl}^-$ (2) 
- (3)  (4) 

Scan or tap for the full solution



Q.3 The compounds that produce CO_2 with aqueous NaHCO_3 solution are:

- A.  B. 
- C.  D. 



Choose the correct answer from the options given below:

[JEE Main 2025 (Online) 28th January Morning Shift]

- (1) A and C Only (2) A, B and E Only
 (3) A and B Only (4) A, C and D Only

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3								
Ans.	1	4	4								