

NEET ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — REACTIONS OF CARBOXYLIC ACIDS INVOLVING CLEAVAGE OF C–OH BOND — PYQS

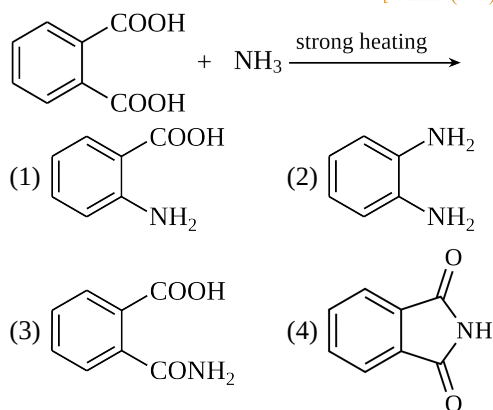
Max. Marks: 24

Questions: 6

Section A (MCQ) — 6 questions

Q.1 The major product of the following reaction is :

[NEET (UG) 2019]

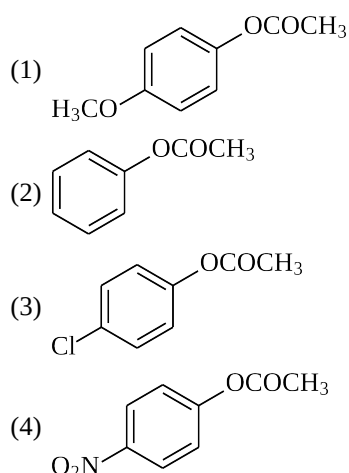


Scan or tap for the full solution



Q.2 Which one of the following esters gets hydrolysed most easily under alkaline conditions?

[AIPMT 2015]



Scan or tap for the full solution



Q.3 Among the given compounds, the most susceptible to nucleophilic attack at the carbonyl group is

[AIPMT 2010 (Prelims)]

- (1) $\text{CH}_3\text{COOCH}_3$ (2) CH_3CONH_2
 (3) $\text{CH}_3\text{COOCOCH}_3$ (4) CH_3COCl

Scan or tap for the full solution



Q.4 The relative reactivities of acyl compounds towards nucleophilic substitution are in the order of

[AIPMT 2008]

- (1) Acid anhydride > Amide > Ester > Acyl chloride
 (2) Acyl chloride > Ester > Acid anhydride > Amide
 (3) Acyl chloride > Acid anhydride > Ester > Amide
 (4) Ester > Acyl chloride > Amide > Acid anhydride.

Scan or tap for the full solution



Q.5 Self condensation of two moles of ethyl acetate in presence of sodium ethoxide yields

[AIPMT 2006]

- (1) ethyl propionate (2) ethyl butyrate
 (3) acetoacetic ester (4) methyl acetoacetate

Scan or tap for the full solution



Q.6 Benzoic acid may be converted into ethyl benzoate by reaction with :

[AIPMT 2000]

- (1) ethyl alcohol
 (2) ethyl alcohol and dry HCl
 (3) ethyl chloride
 (4) sodium ethoxide.

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6					
Ans.	4	4	4	3	3	2					