

NEET ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — ACIDITY OF CARBOXYLIC ACIDS — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

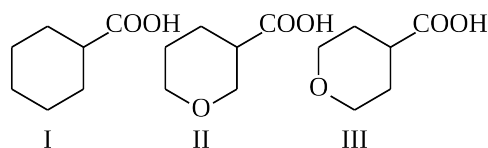
Q.1 The correct order of decreasing acidity of the following aliphatic acids is [NEET (UG) 2025]

- (1) $\text{HCOOH} > \text{CH}_3\text{COOH} > (\text{CH}_3)_2\text{CHCOOH} > (\text{CH}_3)_3\text{CCOOH}$
- (2) $\text{HCOOH} > (\text{CH}_3)_3\text{CCOOH} > (\text{CH}_3)_2\text{CHCOOH} > \text{CH}_3\text{COOH}$
- (3) $(\text{CH}_3)_3\text{CCOOH} > (\text{CH}_3)_2\text{CHCOOH} > \text{CH}_3\text{COOH} > \text{HCOOH}$
- (4) $\text{CH}_3\text{COOH} > (\text{CH}_3)_2\text{CHCOOH} > (\text{CH}_3)_3\text{CCOOH} > \text{HCOOH}$

Scan or tap for the full solution



Q.2 The correct order of the strengths of the carboxylic acids



is

[NEET 2016 (Phase 2)]

- (1) $\text{I} > \text{II} > \text{III}$
- (2) $\text{II} > \text{III} > \text{I}$
- (3) $\text{III} > \text{II} > \text{I}$
- (4) $\text{II} > \text{I} > \text{III}$

Scan or tap for the full solution



Q.3 The correct order of decreasing acid strength of trichloroacetic acid (A), trifluoroacetic acid (B), acetic acid (C) and formic acid (D) is

[AIPMT 2012 (Prelims)]

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

Scan or tap for the full solution



Q.4 Which of the following represents the correct order of the acidity in the given compounds ?

[AIPMT 2007]

- (1) $\text{FCH}_2\text{COOH} > \text{CH}_3\text{COOH} > \text{BrCH}_2\text{COOH} > \text{ClCH}_2\text{COOH}$
- (2) $\text{BrCH}_2\text{COOH} > \text{ClCH}_2\text{COOH} > \text{FCH}_2\text{COOH} > \text{CH}_3\text{COOH}$
- (3) $\text{FCH}_2\text{COOH} > \text{ClCH}_2\text{COOH} > \text{BrCH}_2\text{COOH} > \text{CH}_3\text{COOH}$
- (4) $\text{CH}_3\text{COOH} > \text{BrCH}_2\text{COOH} > \text{ClCH}_2\text{COOH} > \text{FCH}_2\text{COOH}$

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4							
Ans.	1	2	1	3							