

NEET ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — PHYSICAL PROPERTIES OF ALDEHYDES, KETONES AND CARBOXYLIC ACIDS — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 2 questions

Q.1 Given below are two statements :

Statement-I: The boiling points of aldehydes and ketones are higher than hydrocarbons of comparable molecular masses because of weak molecular association in aldehydes and ketones due to dipole-dipole interactions.

Statement-II: The boiling points of aldehydes and ketones are lower than the alcohols of similar molecular masses due to the absence of H-bonding.

In the light of the above statements, choose the most appropriate answer from the options given below

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- (1) Both Statement-I and Statement-II are correct
- (2) Both Statement-I and Statement-II are incorrect
- (3) Statement-I is correct but Statement-II is incorrect
- (4) Statement-I is incorrect but Statement-II is correct

Scan or tap for the full solution



Q.2 Carboxylic acids have higher boiling points than aldehydes, ketones and even alcohols of comparable molecular mass. It is due to their

[NEET 2018]

- (1) formation of intramolecular H-bonding
- (2) formation of carboxylate ion
- (3) more extensive association of carboxylic acid via van der Waals' forces of attraction
- (4) formation of intermolecular H-bonding

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2									
Ans.	1	4									