

Max. Marks: 16

Questions: 4

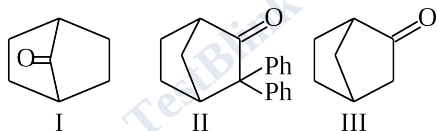
Q.1 The correct statement regarding a carbonyl compound with a hydrogen atom on its alpha-carbon, is [NEET 2016 (Phase 1)]

- (1) a carbonyl compound with a hydrogen atom on its alpha-carbon rapidly equilibrates with its corresponding enol and this process is known as carbonylation
- (2) a carbonyl compound with a hydrogen atom on its alpha-carbon rapidly equilibrates with its corresponding enol and this process is known as keto-enol tautomerism
- (3) a carbonyl compound with a hydrogen atom on its alpha-carbon never equilibrates with its corresponding enol
- (4) a carbonyl compound with a hydrogen atom on its alpha-carbon rapidly equilibrates with its corresponding enol and this process is known as aldehyde-ketone equilibration.

Scan or tap for the full solution



Q.2 Which among the given molecules can exhibit tautomerism? [NEET 2016 (Phase 2)]

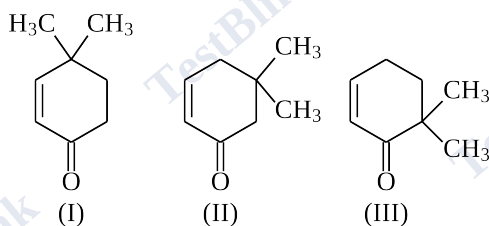


- (1) III only
(2) Both I and III
(3) Both I and II
(4) Both II and III

Scan or tap for the
full solution



Q.3 Given :



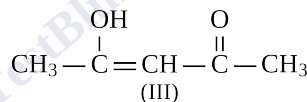
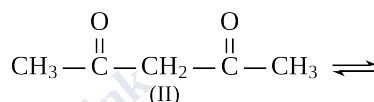
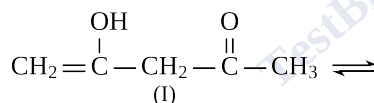
Which of the given compounds can exhibit tautomerism? [AIPMT 2015 (Cancelled)]

- (1) II and III (2) I, II and III
(3) I and II (4) I and III

Scan or tap for the full solution



Q.4 The order of stability of the following tautomeric compounds is [NEET 2013]



- (1) $II > I > III$
(2) $II > III > I$
(3) $I > II > III$
(4) $III > II > I$

Scan or tap for the full solution



ANSWER KEY

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