

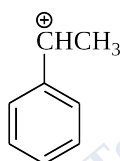
NEET ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — CARBOCATIONS — PYQS

Max. Marks: 32
Questions: 8

Section A (MCQ) — 8 questions

Q.1 The following carbocation is stabilized by the interaction of the empty p orbital with

[RE-NEET (UG) 2026]



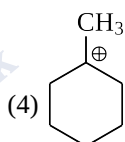
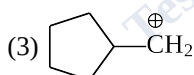
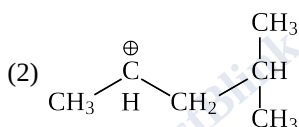
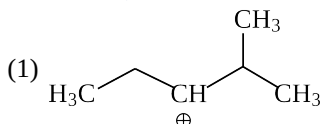
- (1) empty σ^* and empty π^* orbitals
- (2) filled σ and filled π orbitals
- (3) empty σ and empty π^* orbitals
- (4) empty σ^* and filled π orbitals

Scan or tap for the full solution



Q.2 The most stable carbocation among the following is :

[NEET (UG) 2024]

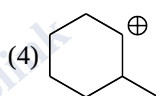
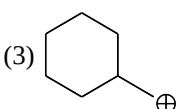
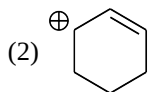
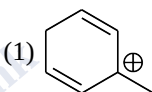


Scan or tap for the full solution



Q.3 Which of the following is the most stable carbocation?

[NEET (UG) 2022 (Phase 2)]

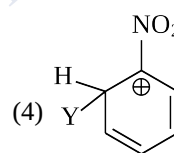
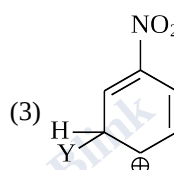
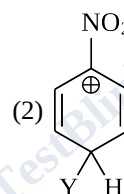
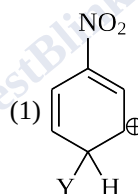


Scan or tap for the full solution



Q.4 Which of the following carbocations is expected to be most stable?

[NEET 2018]

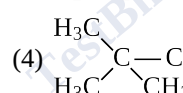
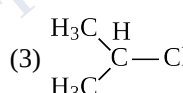
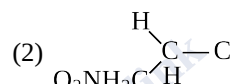
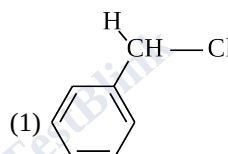


Scan or tap for the full solution



Q.5 In which of the following compounds, the C–Cl bond ionisation shall give most stable carbonium ion?

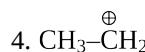
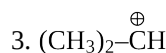
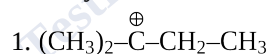
[AIPMT 2015 (Cancelled)]



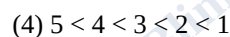
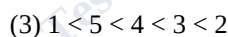
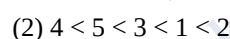
Scan or tap for the full solution



Q.6 Arrange the following in increasing order of stability



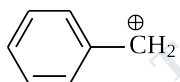
[NEET 2013 (Karnataka)]



Scan or tap for the full solution



Q.7 What is the hybridisation state of benzyl carbonium ion?
[NEET 2013 (Karnataka)]

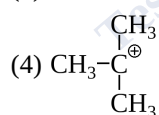
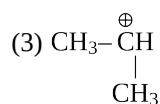
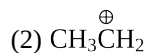
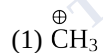


- (1) sp^2 (2) sp^2d (3) sp^2d (4) sp^3

Scan or tap for the full solution



Q.8 Which amongst the following is the most stable carbocation?
[AIPMT 2005]



Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	2	4	1	3	4	1	1	4			