

PYQSide

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

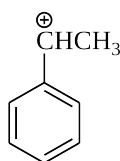
Max. Marks: 32

Questions: 8

Section A (MCQ)

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

[RE-NEET (UG) 2026]



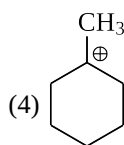
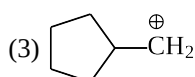
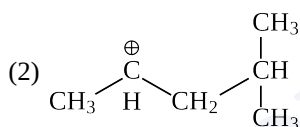
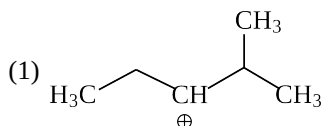
- (1) empty σ^* and empty π^* orbitals
- (2) filled σ and filled π orbitals
- (3) empty σ and empty π^* orbitals
- (4) empty σ^* and filled π orbitals

Scan or tap for the full solution



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

[NEET (UG) 2024]

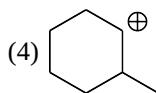
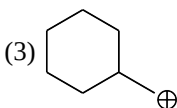
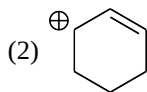
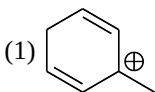


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- Q.3** Which of the following is the most stable carbocation?

[NEET (UG) 2022 (Phase 2)]

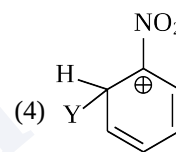
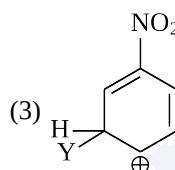
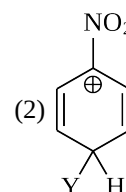
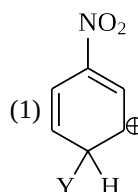


Scan or tap for the full solution



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

[NEET 2018]

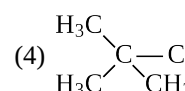
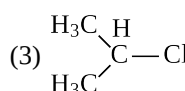
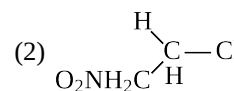
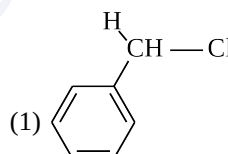


Scan or tap for the full solution



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

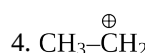
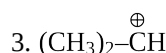
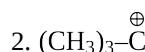
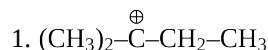
[AIPMT 2015 (Cancelled)]



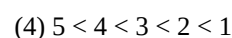
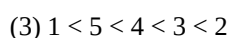
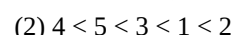
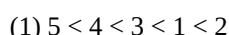
Scan or tap for the full solution



- Q.6** Arrange the following in increasing order of stability



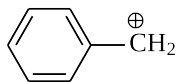
[NEET 2013 (Karnataka)]



Scan or tap for the full solution



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

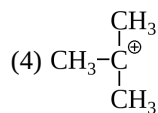
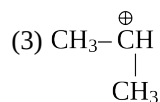
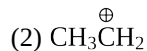
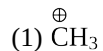


- (1) sp^2 (2) sp^2d (3) sp^2d (4) sp^3

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			