# PYQSide

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## JEE MAIN HYDROCARBONS — PREPARATION OF ALKANES — PYQS

**Max. Marks:** 4 **Questions:** 1

### Section A (MCQ) — 1 question

**Q.1** Given below are two statements :

**Statement-I:** Methane can be prepared by decarboxylation of sodium ethanoate, Kolbe's electrolysis of sodium acetate and reaction of $CH_3MgBr$ with water.

**Statement-II:** Methane cannot be prepared from unsaturated hydrocarbons and by Wurtz reaction.

In the light of the above statements, choose the correct answer from the options given below :

[JEE Main 2026 (Online) 6th April Morning Shift]

(1) Both Statement-I and Statement-II are true

(2) Both Statement-I and Statement-II are false

(3) Statement-I is true but Statement-II is false

(4) Statement-I is false but Statement-II is true

Scan or tap for the full solution

### ANSWER KEY

| Ques. | 1 | | | | | | | | | | |
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| Ans. | 4 | | | | | | | | | | |