

PART 1 - CHEMISTRY

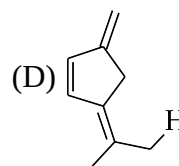
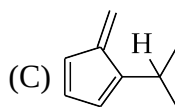
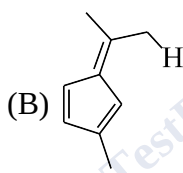
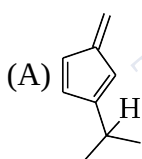
Topic : Organic chemistry – some basic principles and techniques

SECTION-A : (Maximum Marks : 4)

- This section contains **ONE** question.
- Each question has **FOUR** options (A), (B), (C) and (D). **ONLY ONE** of these four options is the correct answer.
- For each question, choose the option corresponding to the correct answer.
- Answer to each question will be evaluated according to the following marking scheme :
Full Marks : +4 If **ONLY** the correct option is chosen;
Zero Marks : 0 If none of the options is chosen (i.e. the question is unanswered);
Negative Marks : -1 In all other cases.

1. Consider the depicted hydrogen (H) in the hydrocarbons given below. The most acidic hydrogen (H) is

[JEE Advanced 2025 Paper 1]



Scan or tap for the
full solution



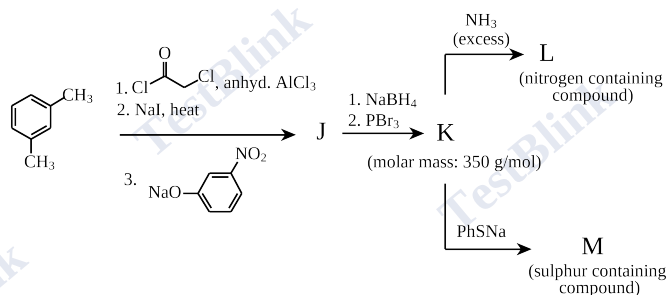
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SECTION-B : (Maximum Marks : 8)

- This section contains **ONE** paragraph.
- Based on each paragraph, there are **TWO** questions.
- The answer to each question is a **NUMERICAL VALUE**.
- For each question, enter the correct numerical value of the answer (in decimal notation, truncated / rounded-off to the **SECOND DECIMAL PLACE**; e.g. 6.25, 7.00, -0.33, -.30, 30.27, -127.30) in the place designated to enter the answer.
- Answer to each question will be evaluated according to the following marking scheme :
 Full Marks : +4 If **ONLY** the correct answer is entered;
 Zero Marks : 0 In all other cases.

Paragraph for Questions 2 and 3

Consider the following reaction sequence in which J, K, L and M are the major products.



Given:

Atomic mass (in amu): H : 1, C : 12, N : 14, O : 16, S : 32, Br : 80, Ba : 137

2. The volume of 1 M aqueous H_2SO_4 required to completely neutralize the ammonia evolved from 5.72 g of L in Kjeldahl's method of nitrogen estimation is ____ mL.

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3. In sulphur estimation by Carius method, the amount of BaSO_4 formed from 3.79 g of M is ____ g.

[JEE Advanced 2026 Paper 2]

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Test Pattern : **JEE (Advanced)**

SECTION-A

SECTION-B

JEE ADVANCED ORGANIC CHEMISTRY – SOME BASIC PRINCIPLES AND TECHNIQUES — PYQS