

PART 1 - CHEMISTRY

Topic : Alcohols, phenols and ethers

SECTION-B : (Maximum Marks : 4)

This section contains **ONE** question.

The answer to each question is a **NON-NEGATIVE INTEGER**.

For each question, enter the correct integer corresponding to the answer 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.

1. An organic compound P having molecular formula $C_6H_6O_3$ gives ferric chloride test and does not have intramolecular hydrogen bond. The compound P reacts with 3 equivalents of NH_2OH to produce oxime Q. Treatment of P with excess methyl iodide in the presence of KOH produces compound R as the major product. Reaction of R with excess iso-butylmagnesium bromide followed by treatment with H_3O^+ gives compound S as the major product.
- The total number of methyl ($-CH_3$) group(s) in compound S is ____.

[JEE Advanced 2024 Paper 2]

Scan or tap for the
full solution

Space for Rough Work

**JEE ADVANCED ALCOHOLS, PHENOLS AND ETHERS
— PHLOROGLUCINOL – KETO FORM, C-ALKYLATION,
GRIGNARD — PYQS**

Test Pattern : **JEE (Advanced)**

ANSWER KEY

SECTION-B

[illegible]