

PART 1 - CHEMISTRY

Topic : d- and f-Block elements

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 **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.

Paragraph for Questions 1 and 2

When potassium iodide is added to an aqueous solution of potassium ferricyanide, a reversible reaction is observed in which a complex P is formed. In a strong acidic medium, the equilibrium shifts completely towards P. Addition of zinc chloride to P in a slightly acidic medium results in a sparingly soluble complex Q.

1. The number of moles of potassium iodide required to produce two moles of P is ____.

[JEE Advanced 2024 Paper 2]

Scan or tap for the
full solution



2. The number of zinc ions present in the molecular formula of Q is ____.

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Scan or tap for the
full solution



Space for Rough Work

JEE ADVANCED D- AND F-BLOCK ELEMENTS — FERRICYANIDE-IODIDE REACTION — PYQS

Test Pattern : **JEE (Advanced)**

ANSWER KEY

[illegible]