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JEE MAIN SOME BASIC CONCEPTS OF CHEMISTRY — PERCENTAGE YIELD AND PERCENTAGE PURITY — PYQS

Max. Marks: 8 **Questions:** 2

Section A (MCQ) — 1 question

Q.1 A student has planned to prepare acetanilide from aniline using acetic anhydride.
The student has started from 9.3 g of aniline. However, the student has managed to obtain 11 g of dry acetanilide.
The % yield of this reaction is :-
[JEE Main 2026 (Online) 24th January Evening Shift]
(1) 59.5% (2) 72.5% (3) 97.5% (4) 81.5%

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Section B (Numerical) — 1 question

Q.2 The amount of calcium oxide produced on heating 150 kg limestone (75% pure) is _____ kg. (Nearest integer)
Given: Molar mass (in g mol^{-1}) of Ca-40, O-16, C-12 [JEE Main 2025 (Online) 4th April Evening Shift]

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ANSWER KEY

Section A (MCQ) — 1 question

Ques.	1										
Ans.	**4**										

Section B (Numerical) — 1 question

Ques.	2										
Ans.	**63**										