

Questions with Answer Keys

MathonGo

Q1: 16 March (Shift 1) - Numerical



If the above equation is balanced with integer coefficients, the value of c is _____ (Round off to the Nearest Integer).

Q2: 16 March (Shift 2) - Single Correct

The exact volumes of 1M NaOH solution required to neutralise 50 mL of 1M H_3PO_3 solution and 100 mL of 2M H_3PO_2 solution, respectively, are:

- (1) 100 mL and 100 mL
- (2) 100 mL and 50 mL
- (3) 100 mL and 200 mL
- (4) 50 mL and 50 mL

Q3: 17 March (Shift 1) - Numerical

15 mL of aqueous solution of Fe^{2+} in acidic medium completely reacted with 20 mL of 0.03M aqueous $\text{Cr}_2\text{O}_7^{2-}$. The molarity of the Fe^{2+} solution is _____ $\times 10^{-2}$ M (Round off to the Nearest Integer).

Q4: 18 March (Shift 2) - Numerical

10.0ml of Na_2CO_3 solution is titrated against 0.2 M HCl solution. The following titre values were obtained in 5 readings.

4.8ml, 4.9ml, 5.0ml, 5.0ml and 5.0ml Based on these readings, and convention of titrimetric estimation of concentration of Na_2CO_3 solution is _____ mM

(Round off to the Nearest integer)

Questions with Answer Keys

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Answer Key

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Q1 (16) **Q2 (3)** **Q3 (24)** **Q4 (50)**

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