



B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

MID-APRIL EXAMINATION 2026-27

CHEMISTRY (043)

Class :XII
Date :17.04.26
Admission No.:

Duration : 1 Hr
Max. Marks : 25
Roll No.:

General Instructions:

- There are 12 questions in this question paper with internal choice.
- SECTION A consists of 3 multiple -choice questions carrying 1 mark each.
- SECTION B consists of 5 short answer questions carrying 2 marks each.
- SECTION C consists of 4 short answer questions carrying 3 marks each.
- All questions are compulsory.
- Use of log tables and calculators is not allowed.

[At. Masses of Na=23 O= 16 H=1, C=12 and Cl=35.5]

SECTION A

The following questions are multiple -choice questions with one correct answer. Each question carries 1 mark. There is no internal choice in this section

- Van't Hoff factors x , y and z for dissociation, association and no change of solute in the solution respectively are in the order:
 - $x < y < z$
 - $x > z > y$
 - $x < z < y$
 - $x > y > z$
- Which one of the following electrolyte has the value of the van't Hoff factor (i) is 5 (if all are 100% ionised)
 - K_2SO_4
 - $K_3[Fe(CN)_6]$
 - $Al(NO_3)_3$
 - $K_4[Fe(CN)_6]$
- An electrochemical cell generally consists of a cathode and an anode. Which of the following statements is correct with respect to the anode?
 - Oxidation occurs at the anode
 - Electrons move into the anode
 - Usually denoted by a positive sign
 - Is usually made up of insulating material

