Goa Board of Secondary & Higher Secondary Education
Alto, Betim – Goa
HSSC Practical Examination
CHEMISTRY

Date: Time: 3 Hours
Session: Morning/Afternoon Max. Marks: 25

N. B.

1) On your answer books write your Examination Seat number and your Laboratory table number.
2) Get the burette reading and confirmatory tests initialed by one of the Examiners.
3) Check if the number on (i) your table (ii) answer script and (iii) the containers A, B, C, D and F are the same. If not, report immediately to the Examiners.
4) Use of non - programmable calculator is allowed.

Atomic Masses:- H=1, C=12, N=14, O=16, S=32, K=39, Mn=55, Fe= 56.

SECTION – I

Q.1. You are provided with two solutions as follows:-

Container A:_____N/M stock solution of hydrated Oxalic acid / Mohr's salt.

Container B: $KMnO_4$ Solution

Using the stock solution from Container **A**, prepare 100 mL of _____N/M hydrated Oxalic acid /Mohr's salt in the given Standard Measuring flask **C**.

Using the solution prepared in flask **C**, determine N/M of the solution in container **B.**

Also calculate.

- The strength of the solution in container **B** in terms of grams per _____**mL.**
- The percentage purity of the solution in container **B,** _____ **g** of which have been dissolved per _____**mL.** (7 Marks)

Q.2. Determine the functional group of the organic compound supplied to you in Container **F** bearing your table number. Give a complete report of all the tests performed. (2 Marks)

Q.3. Journal + Viva (2+2 Marks)

SECTION – II

Q.4. Analyse the inorganic salt given in container **D** bearing your table number qualitatively and detect the cation and anion present. Give a complete report of all the tests performed. Write the formula of the Compound detected. (8 Marks)

Q.5. Project + Viva (2+2 Marks)