

**Lab Midterm Examination**

Course Code: 0531-1104

Time: 1 hour and 10 minutes

**Course Title: Physical, Inorganic and Analytical Chemistry practical**

Total Marks: 25

**1. Short Questions:**

- (a) Discuss the principle of flame test to identify metal cations in a given salt. Marks: 2.5
- (b) Write down the necessary steps for the identification of silver ion ( $\text{Ag}^+$ ) in a given salt. Marks: 2.5

**2. Experiment:**

Perform a comprehensive flame test and confirmatory reactions experiment to identify cations in the given inorganic salts. Marks: 15.0

**3. Viva . Marks: 5.0**