



আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম
 الجامعة الإسلامية العالمية شيتاغونغ
 International Islamic University Chittagong
 Department of Civil of Engineering (CE), FSE

END-OF-SEMESTER EXAMINATION
 SEMESTER-SPRING-2022

Programme	: Civil Engineering	Level of Study	: UG
Total Marks	: 70	Date	: 30/05/2022
Duration	: 3 Hours		
Course Code	: CHEM-1206	Section(s)	: 1
Course Title	: Inorganic Quantitative Analysis		

This Question Paper Consists of ---- (2) Printed Pages (Including Cover Page) with---- (4) Questions.

INSTRUCTION(S) TO CANDIDATES

DO NOT OPEN UNTIL YOU ARE ASKED TO DO SO

- Total mark of this examination is **100**.
- This examination is worth **50%** of the total course assessment.
- Answer **ALL Questions**.
- Only approved calculator with 'CE- approved' sticker is allowed (non-programmable and non-graphical).
- Marks assigned to each question are listed in the margin.

Any form of cheating or attempt to cheat is a serious offence, which may lead to dismissal.

All electronics gadgets are prohibited in the exam hall/venue.

(e.g. mobile/smart phones, smart watches, and smart glasses)

1. Perform the following experiments (Principle, Calculation, Result, Precautions). 40
 - (a) Determination of the strength and amount of hydrochloric acid.
 - (b) Preparation of standard sodium oxalate solution and standardization of potassium permanganate solution.
 - (c) Determination of ferrous ion (Fe^{2+}) with standard potassium permanganate solution.
 - (d) Preparation of standard potassium dichromate solution and standardization of sodium thiosulphate solution.
2. Practical note book. 20
3. Viva voce. 10