



# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF INDUSTRIAL and MANUFACTURING

DEPARTMENT OF CIVIL and WATER ENGINEERING

DESIGN OF STRUCTURES - 1

TCW3103

1<sup>st</sup>Semester Examination Paper

November 2015

This examination paper consists of 4 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: GRAPH PAPER

Examiner's Name: Eng. V.V.DESAI

## INSTRUCTIONS

1. Answer all questions
2. Each question carries 25 marks
3. Use of calculators is permissible

## MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
<b>TOTAL</b>	<b>100</b>