



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN BUILDING AND CIVIL ENGINEERING

**EBC 2303 : SPECIFICATIONS FOR BUILDING AND CIVIL ENGINEERING
WORKS**

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

DATE: Pick Date Dec 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

- Pocket calculator

This paper consists of **FIVE** questions. Attempt any **THREE** questions.

Do not write on the question paper.

Mobile phones are not allowed in the examination room.

Question ONE

Write general specifications for the following

- i) Timber for carpentry works
- ii) Roof work
- iii) Plaster to surfaces

(20marks)

Question TWO

Prepare brief specifications for the following flexible pavement works

- i) Site clearance
- ii) Preparation of formation
- iii) Filling materials
- iv) Cement stabilization
- v) Surface dressing

(20marks)

Question THREE

Write specification notes on the following preliminaries

- i. Site layout
- ii. Office for the architect and clerk of works
- iii. Water and electricity supply
- iv. Existing properties
- v. Sanitation of the works

(20marks)

Question FOUR

Mombasa south is to be provided with drainage system. Prepare specification notes for the following.

- i. Excavation and earthworks
- ii. Walling in manholes
- iii. Benching and channels
- iv. Ladders
- v. Manhole covers

(20 marks)

Question FIVE

- a. Outline any four sources of specification
- b. Describe the following specifications
 - i. General specification
 - ii. Particular specification
- c. For the Lamu port project write brief specification on the following:
 - i. Concrete mixing
 - ii. Concrete curing
 - iii. Concrete transport
 - iv. Concrete compaction

(4 marks)

(12marks)