



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ARCHITECTURE

EBC 2230: BUILDING TECHNOLOGY AND SERVICES II

SPECIAL AND SUPPLEMENTARY EXAMINATION

SERIES:AUGUST2017

TIME:2HOURS

DATE:Pick DateSep2017

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

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

Do not write on the question paper.

QUESTION ONE

- a) Describe two functions for windows (6 Marks)
- b) Illustrate the following window openings (14 Marks)
 - i. side hung
 - ii. Top hung

QUESTION TWO

- a) Describe two ways of classifying doors (6 Marks)
- b) Differentiate between Panel and Flush doors (14 Marks)

QUESTION THREE

- c) Define the following
 - i) Flat roof (2 Marks)
 - ii) Sloping roof (2 Marks)
 - iii) Pitched roof (2 Marks)

d) Illustrate the following types of stairs

i. Straight Flight

(7 Marks)

ii. Quarter Turn

(7 Marks)

QUESTION FOUR

a) Describe the following

(6 Marks)

i. Formwork

ii. Scaffolding

b) Illustrate two types of scaffolds

(14 Marks)

QUESTION FIVE

Explain the following functional requirements for stairs

(20 Marks)

a) Strength and Stability

b) Safety in use

c) Fire Safety