



TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN CIVIL ENGINEERING

EBC 2204: BUILDING TECHNOLOGY II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

### INSTRUCTIONS TO CANDIDATES

You should have the following for this examination

- Answer booklet

This paper consists of **FIVE** questions

Answer any **THREE** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed papers.



### QUESTION ONE

- a) Outline with the aid of sketches the following types of exterior wall finishings.
- i) Curtain Walling
  - ii) Claddings
  - iii) Facings
- (12marks)**
- b) Describe the procedure of constructing a reinforced concrete column base. **(8marks)**

### QUESTION TWO

- a) With the aid of a sketch describe
- i) fixing of architrave to a door lining
  - ii) fixing of dado rails, picture rails to walls
  - iii) fixing of a cornices to ceilings
  - iv) fixing of skirting to walls
- (16marks)**
- b) Outline any four requirements of good framework **(4marks)**

### QUESTION THREE

- a) With the aid of a cross-section through a fire place and chimney describe the operation of the fire place. **(14marks)**
- b) State any six requirements of a fire place **(6marks)**

### QUESTION FOUR

- a) Using sketches the following Site store
- i) Timber stand partition walls
  - ii) Demountable partition walls
  - iii) Light weight brick partition walls
- (15marks)**
- b) Details the cross-section of a reinforced concrete wall framework **(5marks)**

### QUESTION FIVE

- a) State any FIVE failures of paint work and state the probable remedy **(10marks)**
- b) Outline the construction of the following types of ceilings
- i) Open suspended ceilings
  - ii) Closed suspended ceilings
  - iii) Soft board on branding ceilings
- (10marks)**

