



MACHAKOS UNIVERSITY

University Examinations 2017/2018

**SCHOOL OF ENGINEERING
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN
BUILDINGCONSTRUCTION TECHNOLOGY**

BCEBT 210 GENERAL BUILDING CONSTRUCTION II

DATE: 6/12/2017

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

1. a) Explain the following areas of a chimney
 - i. Chimney
 - ii. Fire place
 - iii. Chimney stack
 - iv. Chimney flue

(6 marks)
- b) When electing drainage pipes the builder places inspection chambers at strategic points. Name two of the points

(4 marks)
- c) Draw a chimney hearth and label its components

(20 marks)
2. a) Draw a vertical site hoarding in a site by use posts and iron sheets indicating all the member sizes

(10 marks)
- b) Describe two soil fitments that are used to remove human waste in a public building

(4 marks)
- c) State and explain three classifications of a chimney

(6 marks)

3. a) Describe two appliances used to remove waste water from bathing and preparation of foods in buildings (4 marks)
- b) When constructing footpath or footways in areas that obstruct traffic the contractor needs to seek permission from the local authority. Name two types of information needed by the local authority. (10 marks)
- c) State and explain three functional requirements of a chimney (6 marks)
4. a) State and explain five factors considered when selecting specific sanitary fittings (10 marks)
- b) Name and explain three common methods of testing drains in waste water pipes (6 marks)
- c) Name two major functions of a chimney (4 marks)
5. a) Explain the term draft and state three areas that affect its flow (10 marks)
- b) Explain the term site hoarding (4 marks)
- c) State and explain the three grades of man hole covers and frames (6 marks)