



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN ARCHITECTURE

EAR 2102: HISTORY AND THEORY OF ARCHITECTURE

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.

All questions carries the same marks (20 marks)

Do not write on the question paper.

Mobile phones are not allowed in the examination room.

Question ONE

- a. What were the common building materials used for the construction of institutional buildings in ancient Egypt and Greece? **(8marks)**
- b. Why was it necessary to have many columns spaced closely in the construction of buildings in Greek architecture? **(6marks)**
- c. Name any important building in Athens which was built during the ancient Greek period. **(6marks)**

Question TWO

- a. What new material was used by the Roman architects that had not been developed during the Egyptian and Greek times? **(8marks)**
- b. What was the colosseum in Rome used for and how different was its shape as compared to Greek buildings? **(12marks)**

Question THREE

- a. What was an aqueduct in ancient Rome? **(8 marks)**
- b. Name other civil engineering works that were constructed during this period. **(12marks)**

Question FOUR

- a. Name the factors that determined the setting up of homesteads in rural Kenyan communities. **(12marks)**
- b. What materials were used in constructing the Maasai hut? **(8 marks)**

Question FIVE

- a. Which foreign powers contributed in the setting up of coastal city states along East Africa? **(8 marks)**
- b. Give the similarities of the Lamu stone house and the Omani courtyard house. **(12marks)**