



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)
Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE

EAR 2302: HISTORY OF ARCHITECTURE II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2012

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.

This paper consists of **THREE** printed pages

Question One

- a) State the five principles developed by Le Corbusier in the 1920's that greatly influenced the development of modern architecture.
- b) Explain how the five principles have been used in the design of the Villa Savoye citing the impacts each principle had on the building.

Question Two

- a) Name any five modern movements that reflected different architectural styles, sensibilities and priorities during the 20th century.
- b) Describe the characteristics of the architecture that resulted from the advocacy of each of the modern movements mentioned in a) above.

Question Three

- a) What is your understanding of the term 'standardization' in architecture?
- b) Explain how industrialization has impacted on standardization in architecture.
- c) What are the advantages and disadvantages of standardization in architecture?

Question Four

- a) Outline the morphological features of the traditional architecture of the:
 - i. Maasai
 - ii. Luo
 - iii. Mijikenda
 - iv. Meru.
- b) Explain how the traditional built forms of the four tribes mentioned above have changed with regards to:
 - i. Spatial organization
 - ii. Material / technology application
- c) Using examples illustrate the factors of structuralism that have impacted on African architecture in Kenya.

Question Five

- a) State four characteristics of buildings developed using the International Style.
- b) What are the four common features of a typical International Style high-rise building?
- c) Explain the ideals of the International Style listed here below:
 - i. Form follows function;

- ii. Ornament is a crime;
- iii. Truth to materials.

d) What was the major weakness of the International Style?