



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE (DA 09 SEM II YR III)

EBC 2326: HISTORY OF ARCHITECTURE

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2011

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer booklet*

Answer any **FIVE** questions

Each question carries 20 marks

Maximum marks for each part of a question is as shown

This paper consists of **THREE** printed pages

Question 1

- a) Name **SIX** contextual parameters affecting European and African traditional architecture (3 marks)
- b) Briefly describe **FIVE** aspects of family structure that affect housing architecture (5 marks)
- c) Explain the following with reference to meaning in architecture
- i) Functionality
 - ii) Building cost
 - iii) Aesthetics (9 marks)
- d) Describe use of **TWO** types of images in architecture (3 marks)

Question 2

- a) State **SIX** factors that affect locations of human settlement (6 marks)
- b) Explain any **FOUR** of the above factors (10 marks)
- c) Explain and illustrate axially (symmetry as main organizational principle in Egyptian settlements (4 marks)

Question 3

- a) Explain the influence of the following in Greek architecture
- i) Cultural and societal practices
 - ii) Religion
 - iii) Location
 - iv) Topography
 - v) Materials (20 marks)

Question 4

- a) Name the **SIX** types of buildings of Roman Architecture (3 marks)
- b) Describe **FOUR** characteristics of Roman Architecture (8 marks)
- c) Explain **THREE** characteristics of Gothic cathedral (6 marks)
- d) Outline **TWO** factors that gave rise to architectural form in industrial revolution (3 marks)

Question 5

- a) Describe **THREE** factors that caused reinsurance in Europe (6 marks)

- b) Discuss **THREE** characteristics of the renaissance (6 marks)
- c) Explain philosophical ideologies of:
- i) Arts, crafts movement art nauream
 - ii) Cole beaux arts
 - iii) Chicago school
- (8 marks)

Question 6

- a) Explain function in modern movement (3 marks)
- b) Explain **FOUR** concepts of the functionalists (4 marks)
- c) Outline **FIVE** principles of cobusian design (3 marks)
- d) Explain **THREE** principles used in Villa Savoy (6 marks)