



**KENYATTA UNIVERSITY**

UNIVERSITY EXAMINATIONS 2019/2020

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF  
ARCHITECTURE AND ARCHITECTURAL STUDIES

ARC 305: HISTORY AND THEORY OF ARCHITECTURE IV

DATE: Friday 13<sup>th</sup> December 2019

TIME: 11.00a.m -1.00p.m

**INSTRUCTIONS**

This paper consists of five questions.

Answer Question 1 and any other two questions

**QUESTION ONE**

- a) List two buildings in Kenya whose architecture was influenced by Asian Architecture. [2 marks]
- b) List three Architects that have designed urban developments inspired by African vernacular architecture. [3 marks]
- c) List three types of abstract economic space conceived by Francois Parroux. [3 marks]
- d) Describe the three main purposes of a feasibility study. [3 marks]
- e) Outline four elements of a design appraisal. [4 marks]
- f) List four most influential/iconic Frank Lloyd Wright's buildings that were inspired by modernism. [4 marks]
- g) Outline the five critical elements of building codes and regulations. [5 marks]
- h) Define Kenyan architecture against the three main ethnic groups. For each ethnic group give two architectural characteristics. [6 marks]

## QUESTION TWO

- a) Define eight main stages of the research phase of the construction design process. [8 marks]
- b) Giving a brief history, discuss the modernism architecture using six characteristics. [12 marks]

## QUESTION THREE

- a) Using four characteristics for each, discuss two buildings in Kenya whose architectural style has greatly been influenced by a Kenyan architectural concept. [8 marks]
- b) Discuss six influences of European Architectural style on Kenyan architecture. [12 marks]

## QUESTION FOUR

- a) Discuss using examples the five elements used to describe physical forms of a city image. Base your examples on the City of Nairobi. [10 marks]
- b) Discuss the two theories of spatial development. [10 marks]

## QUESTION FIVE

- a) Define eight key physical characteristics of a potential site that are assessed while doing a design appraisal for any projects. [8 marks]
- b) Discuss six construction materials in Africa vernacular Architecture and how they were applied within the various regions in Africa. [12 marks]