



# TECHNICAL UNIVERSITY OF MOMBASA

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SCHOOL OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT

**UNIVERSITY EXAMINATION FOR:**

BACHELOR OF ARCHITECTURAL STUDIES/BACHELOR OF  
ARCHITECTURE

**EAR 4107: HISTORY AND THEORY OF ARCHITECTURE II**

END OF SEMESTER EXAMINATION

YEAR ONE SEMESTER II

SERIES: APRIL 2022

**TIME: 2 HOURS**

**DATE:**Pick DateApr 2022

**Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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### **QUESTION ONE (30 MARKS)-COMPULSORY**

(a) Discuss the inventions of the Industrial Revolution and the impact of the Industrial Revolution on architecture. (20 marks)

(b) The Roman Civilisation was gifted with engineering skills. Roman architecture is a result of these engineering feats. Describe FIVE infrastructure types that the Romans invented. (10 marks)

### **QUESTION TWO (20 MARKS)**

With the aid of sketches, discuss the evolution of basilicas in terms of form, use and structure from the Roman era to the Gothic era. (20 marks)

### **QUESTION THREE (20 MARKS)**

(a) With the aid of sketches, explain the THREE Greek classical orders (6 marks)

(b) The Romans added TWO new orders to the three Greek classical orders. With the aid of sketches, explain these TWO new orders (4 marks)

(c) Discuss FIVE distinct feature of Renaissance architecture. (10 marks)

### **QUESTION FOUR (20 MARKS)**

(a) Discuss FIVE characteristics of Byzantine architecture. (10 marks)

(b) Discuss FIVE distinct feature of Baroque architecture. (10 marks)

### **QUESTION FIVE (20 MARKS)**

With the aid of sketches, discuss FIVE characteristics of Gothic architecture in terms of its structural elements and decorative elements. (20 marks)