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**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# University Examinations 2014/2015

**EXAMINATION FOR THE DIPLOMA IN ARCHITECTURE**

# ABA 0104: HISTORY AND THEORY OF ARCHITECTURE II

**DATE: APRIL, 2015**  **TIME: 1.5 HOURS**

**INSTRUCTIONS: Answer Question ONE and any TWO other questions**

 **Use clear well labeled sketches**

**Question one (30 Marks)**

a) State the major construction materials in Egyptian architecture and where they were used. [4 marks]

b) State any four characteristics of Banhaus architecture. [4 marks]

c) Describe the use of monasteries in medieval architecture. [4 marks]

d) Describe how Byzantine architecture came to be. [3 marks]

e) Explain the function of public baths in Roman Empire. [5 marks][

f) Explain any two generic approaches to form derivation in architecture. [5 marks]

g) Describe how the Chicago school architecture influenced the construction world in the turn of the 20th century. [3 marks]

h) State the major building materials introduced in industrial architecture. [2 marks]

**Question Two (15 Marks)**

a) State the three major seasons which influenced Egypt way of life and explain how this phenomena played out in their architecture. [5 marks]

b) Explain how these building elements were done in renaissance architecture period.

1. Ceilings [2 marks]
2. Doors [2 marks]
3. Windows [2 marks]

c) Explain the features of the Basilica which favoured its use in Early Christian Architecture. [4 marks]

**Question Three (15 Marks)**

a) Explain how the belief in continuing of life and life after death influenced Egyptian architecture. [2 marks]

b) Describe the following Roman structures.

1. The forum [2 marks]
2. Theatre [2 marks]

c) Explain at least three characteristics of Gothic architecture. [6 marks]

d) State the functions of temple buildings found in Egypt. [3 marks]

**Question Four (15 Marks)**

a) Illustrate the symbolism as experienced in Egyptian architecture. [4 marks]

b) State the factors that led to industrial revolution. [3 marks]

c) Explain the meaning of Bauhars. [2 marks]

d) Explain uses of the following Greek builders.

1. Temple [2 marks]
2. Tholos [2 marks]
3. Propylon [2 marks]

**Question Five (15 Marks)**

a) Outline any three characteristics of Arts & craft movement. [3 marks]

b) Explain how the landscape and dimate of a place affects the build environments.

 [5 marks]

c) Compare and contrast Egyptian/Greek architecture versus Roman architecture.

 [4 marks]

d) Explain the Greek theatres were suited for the function that took place in them.[3 marks]