**JOMO KENYATTA UNIVERSITY OF AGRICLTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2017/2018**

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN CONSTRUCTION MANAGEMENT AND QUANTITY SURVEYING**

**ABC 2101: HISTORY OF CONSTRUCTION**

**DATE: JANUARY 2018 TIME: 2 HOURS**

**INSTRUCTIONS:**

**Answer question 1 and any other 2(two) questions**

2. Define what history of construction is. Give an account of the importance of studying it. (6 marks)
3. Define the term ‘civilization’. Giving examples in the Neolithic Age and/or Ancient Architecture, explain the characteristics of civilization. (16 marks)
4. Give an explanation of what influences the construction process. (8 marks)
5. The unique contribution of the Mesopotamia civilization to the construction industry is most evident in the palace at Khorsabad, the cities of Assur and Babylon amongst others. Give an account of the building materials used in ancient Mesopotamia. (12 marks)
6. Name and give a brief explanation of what influences the construction process. (8 marks)
7. Illustrate the following construction elements and briefly explain each:
8. Barrel vault
9. Arch
10. Pediment (9 marks)
11. Describe the characteristics if Renaissance construction system. (11 marks)
12. Three core Islam values influence greatly Islamic art and construction of buildings. Give an explanation of the values and how they influence Islamic architecture. (12 marks)
13. The baroque style is characterized by an emphasis on unity among the arts. With technical brilliance, the baroque artist achieved a remarkable harmony where in **painting**; **sculpture** and **architecture** were brought together in a new spatial relationship. With the aid of sketches, explain how this influenced the baroque idea of building. (8 marks)
14. a. The Swahili House was the epitome of the domestic architecture of the Lamu archipelago. Give a detailed description of the planning concepts of the Swahili house. (10 marks)

b.Distinguish between classical Greek and Roman styles of construction. (10 marks)