

**MURANG’A UNIVERSITY OF TECHNOLOGY**

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS FOR THE DEGREE OF SCIENCE IN:**

**BUILDING CONSTRUCTION AND MANAGEMENT**

**1ST YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

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**COURSE CODE: TLM 3112**

**COURSE TITLE: HISTORY OF CONSTRUCTION**

**EXAM VENUE: CR STREAM: BSc IN CONSTRUCTION**

**DATE: 21/4/16 EXAM SESSION: 9.00 – 11.00 AM**

**TIME: 2 HOURS**

**Instructions**

1. **Answer Question 1 (compulsory) and ANY other two questions**
2. **Candidates are advised not to write on question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE **(30marks)**

1. Define the following terms commonly applied in the construction sector;
2. Management (**2marks).**
3. Project**(2marks).**
4. Construction**(2marks).**
5. Skyscraper**(2marks).**
6. Cable stayed bridge**(2marks).**
7. Briefly discuss the historical development of management as a profession **(10marks).**
8. Renaissance construction period is traditionally considered as between 15th and 17th centuries in different regions of Europe. Highlight the major construction breakthrough in this era (**10marks).**

QUESTION TWO **(20marks)**

Discuss the major historical contribution of the Romans to the development of the construction industry citing major materials and technological innovations in the Neolithic period**(20marks).**

QUESTION THREE **(20marks)**

Bridge construction technology has evolved over a considerable period of time commencing from pre-historic time.

1. Describe the first bridge constructed by man in pre-historic era **(4marks).**
2. Discuss four main types of bridges that evolved in the contemporary era citing an example in each case **(16marks).**

QUESTION FOUR **(20marks)**

1. Discuss the role of trade union movements in the construction industry today**(6marks).**
2. Trace the historical origin of the guild system in construction labour **(14marks).**

QUESTION FIVE **(20marks)**

The ancient City of Manitoba was known for the development of various construction materials and techniques.

1. Discuss the early shelters of the Aborigines, the original inhabitants of the city **(10marks).**
2. The log and framed timber construction techniques wereinfluenced by the European shelter community at a later stage. Compare and contrast these two techniques of construction **(10marks).**