



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND  
TECHNOLOGY**

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS FOR THE DEGREE IN SCIENCE IN  
CONSTRUCTION MANAGEMENT**

**3<sup>RD</sup> YEAR 2<sup>ND</sup> SEMESTER 2019/2020 ACADEMIC YEAR**

**CENTRE: MAIN CAMPUS**

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**COURSE CODE: TCM 3323**

**COURSE TITLE: BUILDING TECHNOLOGY III**

**EXAM VENUE: STREAM: BSc CONSTRUCTION MGT**

**DATE: 1/12//2020 EXAM SESSION:3-6 PM**

**DURATION: 3 HOURS**

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**Instructions**

**1. Answer question 1 (Compulsory) and ANY other two questions**

- 1. Candidates are advised to write on the text editor provided, or to write on a foolscap, scan and upload alongside the question.**
- 2. Candidates must ensure that they submit their work by clicking 'FINISH AND SUBMIT ATTEMPT' button at the end.**

## **SECTION A**

### ***Question one: compulsory***

- a. Briefly explain five reasons for using a dry lining type of wall finish. (5marks)
- b. Describe procedure that one must follow while plastering a concrete wall. (7marks)
- c. State and explain five types of textures that a mason may use while applying a render finish on a brick wall. (10marks)
- d. By use of sketches, briefly describe four types of hinges. (8marks)

## **SECTION B**

### ***Question two***

- a) Write short notes on the components of water paint. (6marks)
- b) Briefly describe the procedure that a painter must follow while applying oil paint on a new wood surface. (6marks)
- c) Stating the remedy for each, briefly describe four imperfections in painting. (8marks)

### ***Question three***

- a) Highlight two advantages and three disadvantages of cement screed floor finish. (5marks)
- b) State and explain four functional requirements of a good quality floor finish. (8marks)
- c) Describe the construction process of terrazzo flooring. (7marks)

### ***Question four***

- a) Describe the following terms: Chimney  
Flue (4marks)
- b) Draw a section showing all the details of fire place. (6marks)
- c) Stating suitable applicability in construction, describe five types of emerging building materials used in construction. (10marks)

### ***Question five***

- a) Briefly describe the construction of four types of pointing using sketches. (8marks)
- b) Draw a section showing detailed joints of a step in timber stairs. (4marks)
- c) By use of a diagram, describe four types of timber stairs. (8marks)