



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

**SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**

**PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT**

**4<sup>th</sup> YEAR 2<sup>nd</sup> SEMESTER 2017/2018 ACADEMIC YEAR**

**KISUMU CAMPUS**

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**COURSE CODE: HPD 3222**

**COURSE TITLE: BUILDING CONSTRUCTION & TECHNOLOGY**

**EXAM VENUE: STREAM: BSC PUBLIC/COMM.HLTH&DEV**

**DATE: EXAM SESSION:**

**TIME: 2.00 HOURS**

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**Instructions:**

- 1. Answer all the questions in Section A and 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

## **SECTION A**

1. Define the term building (1 mark)
2. Differentiate between a joint and a bed in construction work (2 marks)
3. List two uses of bricks (2 marks)
4. State four properties of sand in building construction work (4 marks)
5. State four advantages of using stones in constructions (4 marks)
6. List three types of sand (3 marks)
7. State the types of soil (5 marks)
- 8.

## **SECTION B**

1. (a) Explain the importance of living in a properly built and structurally sound residential building (20 marks)
2. Cement is the most important building material in solid masonry work. Explain this statement with relevant examples (20 marks)
3. Explain the process of starting a foundation of a building, stating the specific materials required at each level (20 marks)
4. Explain the importance of a mortar, describing where it is used in building constructions (20 marks)