



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE PUBLIC
HEALTH / COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: HCB 1204

COURSE TITLE: BUILDING CONSTRUCTION AND TECHNOLOGY

EXAM VENUE: **STREAM: (BSc. Env. Hlth)**

DATE: **EXAM SESSION:**

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and ANY other 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. a). Define the term “damp proof course” (1 mark)
b). State FIVE advantages of a damp-proof course (DPC) in a building (5 marks)
2. Explain the term aggregates (3 marks)
3. Explain where lintel is used in a building and its importance (5 marks)
4. Differentiate between ‘through’ and ‘cross’ ventilation in a building (5 marks)
5. Explain FIVE qualities of good sand as a building material (5 marks)
6. Explain the advantages of using bricks in masonry work (6 marks)

SECTION B

1. Explain the process of carrying out an actual construction work (20 marks)
2. Explain advantages of using approved technical drawing and site plan before commencement of any construction work (20 marks)
3. Explain the health benefits of living in a sound structured building (20 marks)
4. Explain the importance of a mortar, describing where it is used (20 marks)