



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
THIRD YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR IN PUBLIC HEALTH

FIRST SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)

PHES 330: BUILDING TECHNOLOGY AND CONSTRUCTION

STREAM: Y3 S1

TIME: 3 HOURS

DAY: THURSDAY, 2:00 – 5:00 P.M.

DATE: 12/05/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer ALL the questions in section A and TWO questions in section B.***

SECTION A

1. State factors considered for site of building construction [3 Marks]
2. Define the term “**settlement**” as applied in building construction. What effects has settlement to a building? [4 marks]
3. State four (4) functions of ground floors and four (4) functions of upper floors [4 marks]
4. Name five (5) common floor finishes [21/2marks]
5. Name five types of stairs and state five functional requirements of stairs [5 marks]
6. Differentiate between a **column** and a **beam** in building construction

7. Name eight (8) materials used for walling in buildings [5 Marks]
[4 Marks]
8. State the functional requirements of walls [51/2 marks]
9. Name six (6) classification of roofs [3 Marks]
10. State four (4) special documents relating to building construction [4 Marks]

SECTION B

1. Safety in building construction is a vital concern for both small and multi-storey building construction. Discuss safety in building undertakings [15 Marks]
2. Describe site preparation and setting out of a building on a chosen site (15marks)
3. Describe **Piles** as used in **Pile and Beam foundations** [15 Marks]
4. Define the terms **“Damp Proof Course (DPC)”**. Comment on various materials used as DPCs [15 Marks]