



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (ENVIRONMENTAL HEALTH)

HEH 303: BUILDING AND CONSTRUCTION TECHNOLOGY

DATE: Tuesday 27th March 2012

TIME: 8.00a.m – 10.00a.m

INSTRUCTIONS

- Answer all Questions in Section A
- Answer question 2 and any other TWO Questions in section B

SECTION A

1. a) Define the following terms relating to building and construction technology.
[15marks]

Building
Building materials
Construction
Structure
Maintenance
- b) List 5 factors to consider when selecting a site for building project. [5marks]
- c) Briefly explain 2 types of floor systems that one may consider for a building.
[5marks]
- d) Describe briefly 2 types of construction structures. [5marks]

SECTION B

2. a) Describe 3 types of walls as used in the construction industry. [15marks]
b) Describe 2 types of finish used for a solid ground floor. [5marks]
3. Discuss the process of planning a site for a building project as part of the land use process. [15marks]
4. The main statutes governing building standards, design and materials today are the Building Code and the Public Health Act. Discuss the integration of these and other statutes governing building standards into the Policy, Legal and Institutional Framework in Kenya. [15marks]
5. Kenya's Planning and Building Sector is faced with a number of challenges which compromise building standards in the country. Discuss challenges and the way forward for the building industry in Kenya. [15marks]