

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**YEAR IV SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF PUBLIC HEALTH**

**IPH 2314: BUILDING CONSTRUCTION AND TECHNOLOGY**

**DATE:DECEMBER 2014 TIME: 2 HOURS**

**INSTRUCTIONS: Answer all questions in section A and any one question in section B.**

**SECTION A (48 MARKS)**

**QUESTION ONE**

a. Analyze the factors considered when selecting flooring materials for a housing project in Kenya. (6 marks)

b. Describe three types of bonds used in brick work in construction project.

(3 marks)

c. Elaborate three types of materials used in partition walling of buildings.

(6 marks)

d. With the help of a sketch illustrate a stair case and the details in support of it.

(5 marks)

e. Outline the functions of foundations in construction of buildings. (10 marks)

f. Using an elaborate sketch outline any three types of roofs. (6 marks)

g. Illustrate the main merits of flat roofs. (6 marks)

h. Discuss some of the causes of dampness in building constructions. (6 marks)

**SECTION B (22 MARKS)**

**QUESTION TWO**

Discuss the role of Kenya Bureau of standard in the construction industry in Kenya.

(22 marks)

**QUESTION THREE**

With the help of sketches describe the setting out process of construction projects.

(22 marks)

**QUESTION FOUR**

Describe the characteristics of an entrance and exit of a building and its content.

(22 marks)