

 W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

 **UNIVERSITY EXAMINATIONS 2015/2016**

**YEAR II SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**IPH 2213: QUANTITY SURVEYING**

**DATE: APRIL 2016 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE**

1. Explain the meaning of preliminaries as used in quantity surveying. [3 marks]
2. Describe what should be included in a valuation in construction contract.

 [3 marks]

1. Describe briefly the following terminologies as used in the construction industry;
2. Net pricing [2 marks]
3. Unit rate [2 marks]
4. Explain the following terms as used in quantity surveying;
5. Squaring [2 marks]
6. Abetreating [2 marks]
7. Explain briefly the types of certificates issued by an architect during the construction contract to approve any payment to a contractor. [3 marks]
8. Explain the functions of a quantity surveyor. [4 marks]
9. What is a contract? Explain briefly with respect to the law of contract. [3 marks]
10. Explain the purpose of occupational certificates as used in the construction industry. [3 marks]
11. Describe the procedure of preparing bills of quantities. [3 marks]

**QUESTION TWO**

According to the building law, a contractor should be paid at least once in 30 days during the construction period;

1. Discuss the process of payment to the contractor for work one in 30 days. [10 marks]
2. Discuss the type of certificates to be issued during the construction process from design to completion. [10 marks]

**QUESTION THREE**

1. Discuss the methods used in obtaining the construction plant for contracts. [7 ½ marks]
2. Discuss why there is increase of plant operations in the building industry. [7 ½ marks]
3. Discuss the factors which influence the valuation of a property. [5 marks]

**QUESTION FOUR**

1. Discuss the following stating their application in construction projects.;

(i) Approximate estimates. [3 marks]

(ii) Detailed estimates [4 marks]

1. Discuss the purposes of occupational certificates. [5 marks]
2. Discuss briefly the elements of a contract of a building project. [8 marks]