

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF THE BUILT ENVIRONMENT**

**DEPARTMENT OF QUANTITY SURVEYING**

**PART I SUPPLEMENTARY EXAMINATIONS AUGUST 2013**

**THEORY AND PRACTICES OF QUANTITY SURVEYING AND PROJECT  
MANAGEMENT 1 AQS 1201**

Time: 3 Hours

Total Marks: 100

**Instruction to Candidates**

Answer **ALL** Questions

Each Question carries **25 marks**

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**Question One**

In order to determine 'the gross valuation', the value of each of the constituent parts has to be ascertained. Discuss in detail the constituents of valuations and explaining how they are incorporated. **(25marks)**

**Question Two**

Discuss three types of contractor's claims in detail which can arise during project execution. **(25marks)**

**Question Three**

- a. Prepare a variation account using Appendix A **(10marks)**
- b. There are several ways of valuing variations, the choice in particular being that which is appropriate to the circumstances. Discuss. **(15marks)**

**Question Four**

Discuss the risk management process commonly used in construction project management **(25marks)**

## **Appendix A**

You are the Senior Quantity Surveyor for ZIMRA Beitbridge Flats Project. Variations on the project have been authorized by the architect on behalf of the client. You are now required to prepare a variation account using the information given below.

Contingency amount \$2,000.00

- 8 Willingdon Light Buff Facing Bricks \$138, 706.90 in lieu of Hildon Tudor Brown Facing Bricks \$136, 959.54
- 15 The roof slabs to the flats increased from 125 mm thick to 175 mm and the main reinforcement increased from 12 mm to 16mm diameter at \$8,494.13 and \$12,052.35
- 23 Living room windows in flats to be 1800x1500 mm \$3,673.50 in lieu of 1800x1200mm \$2,079.85
- 28 Glazed screens to balconies to be glazed with toughened clear float glass with putty \$1,245.74 in lieu of clear float glass in beads \$1,073.80
- 48 Omission of built-in bookcase units in living rooms \$3,984.30

**END OF EXAMINATION**