

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF BUILT ENVIRONMENT**

**DEPARTMENT OF QUANTITY SURVEYING**

**PART II SECOND SEMESTER EXAMINATIONS – JUNE 2010**

**COMPUTER APPLICATIONS IN QUANTITY SURVEYING - AQS2207**

Time: 4 hours

Total Marks: 100

**INSTRUCTIONS:**

Answer all questions.

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**Question One**

You are employed by a firm of Registered Quantity Surveyors called Brintol Consult. The Senior Quantity Surveyor has tasked you to prepare an interim valuation for the month using Appendix A. At the end of this first month the following work has been done for the Administration Block.

Item	Amount
Preliminaries and Generals	15,000.00
External Works	no work done
Foundations	54,000.00
Brickwork	34,000.00
Labour Escalations	1,300.00
Variations	2,100.00

(20 marks)

**Question Two**

Minimum wages to be paid to skilled workers, approved classes of workers and worker grades.

	All in labour rate per hour as at 01 October 2011	All in labour rate per hour as at 01 January 2011
SW1	9.69	10.05
SW2	8.33	8.66
SW3	7.47	7.77
SW4	5.81	6.04
WX	7.47	7.77
WG1	4.10	4.26
WG2	4.25	4.42
WG3	4.78	4.97
WG4	5.61	5.84

Time sheet for the fortnight ending 31 March 2011

Name	Grade	M	T	W	T	F	S	S	M	T	W	T	F	S	S	Total
S Nyathi	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
Q Ncube	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
D Ndebele	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
X Dlodlo	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
C Siziba	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
N Hadebe	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
R Moyo	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
P Shuro	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
N Masina	WG1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
O Thabethe	WG1	9	9	9	10	10	-	-	9	9	10	10	10	-	-	96
D Dube	WG1	9	9	9	10	10	-	-	9	9	10	10	10	-	-	96
L Sibindi	WX	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
B Ngwenya	WX	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
L Maplanka	WX	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
W Masiletha	WX	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
T Nyoni	SW1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
K Moyo	SW1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
P Mhishi	SW1	9	9	9	10	10	-	-	9	9	9	10	10	-	-	96
S Zinzi	SW1	9	9	9	10	10	-	-	9	9	9	10	10	-	-	96
T Kiwe	SW1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88
N Gumbo	SW1	9	9	9	9	8	-	-	9	9	9	9	8	-	-	88

Prepare an increased cost schedule for Y.N kondemeniotis for the fortnight ending 31 March 2011.

(20 marks)

**Question Three**

You have been asked by your boss to prepare a Final Account for the Bulawayo Centre. The following information has been provided to you-

Contract Sum 10,200.00

**Provisional Sums**

Profit 5%

Attendance 5%

Ace Electrical

BQ Provision 1,000.00

Remeasurement 1,500.00

Cool-Air Conditioning

BQ Provision 4,000.00

Remeasurement 4,500.00

Boom Control

BQ Provision 2,000.00

Remeasurement 2,100.00

**Variation Orders**

Architect Instruction No.1

Plaster in lieu of bagging where plaster \$500.00 and bagging to ceiling \$1,400.00

Architect Instruction No.2

Plaster in lieu of facings where plaster \$320.00 and facing \$450.00

**Prime cost Sums**

Profit 10%

Attendance 10%

Ironmongery

BQ Provision 450.00

Remeasurement 300.00

Cold Room Door

BQ Provision 115.00

Remeasurement 200.00

**Items Measured Provisional**

Foundation

BQ Provision 105.00

Remeasurement 70.00

**Fluctuations**

Main Contractor 1500.00

Ace Electrical 200.00

(20marks)

**Question Four**

Prepare part of the measured work section for the Bills of Quantities from the given take off sheet incorporating the collection pages.

- a) Foundations (10 marks)
- b) Brickwork (10 marks)
- c) Metalwork (10 marks)
- d) Glazing (10 marks)