

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF THE BUILT ENVIRONMENT
BACHELOR OF QUANTITY SURVEYING (HONOURS) DEGREE
PART II SECOND SEMESTER EXAMINATIONS - MAY 2014
COMPUTER APPLICATIONS IN QUANTITY SURVEYING - AQS2207

Time: 4 Hours

Total Marks: 100

Instruction to Candidates

Answer **ALL** Questions

Question One

You are employed by L and M Construction Ltd as the Projects Quantity Surveyor. You are tasked to prepare the construction programme for Upper Dagnall Street Development Project. The construction work is scheduled to begin on the 5th of May 2014

1. Setting/preparation of site	1½months
2. Substructure	3months
3. Masonry	1½months
4. Drainage	2½months
5. Cladding	2½months
6. Roof Covering	4months
7. Services	6months
8. Reinforced Concrete Frame	3½months
9. Internal Finishes	3months
10. Partitions	5months
11. Carpentry and Joinery	5½months
12. Cleaning Up/handover	1½months
13. Glazing	2months
14. Painting	6½months
15. Internal Finishes	3months

(25marks)

Question Two

Prepare a Final Account for Parklands Shopping Centre. The following information has been provided to you:

Contract Sum of the project \$2,114,490.00

Contingency sum \$200,000.00

Provisional Sums

Profit 7, 5%

Attendance 2, 5%

Neks Electrical

BQ Provision 112,300.00
Re-measurement 105,700.00

Ref-Air Conditioning

BQ Provision 96,700.00
Re-measurement 85,000.00

Boom Control

BQ Provision 13,500.00
Re-measurement 14,500.00

Variation Orders

Architect Instruction No.1

Plaster in lieu of bagging where plaster 1,500.00 and bagging to ceiling 3,400.00

Architect Instruction No.2

Plaster in lieu of facings where plaster 7,320.00 and facing 4,450.00

Prime cost Sums

Profit 5%
Attendance 2,5%

Ironmongery

BQ Provision 66,520.00
Re-measurement 87,300.00

Cold Room Door

BQ Provision 52,150.00
Re-measurement 44,100

Items Measured Provisional

Foundation

BQ Provision 14,350.00
Re-measurement 13,200.00

Plumbing

BQ Provision 29,600.00
Re-measurement 31,855.00

Fluctuations

Main Contractor 3,458.00
Neks Electrical 453.00
Ref-Air Conditioning 112.00

(25 marks)

Question Three

Prepare part of the measured work section of the Bills of Quantities for the following using Appendix A-

- a. Foundations
- b. Superstructure-Brickwork
- c. Internal Finishes
- d. Metalwork

Note- The collection pages must be incorporated.

(50marks)

END OF EXAMINATION