

**CORK INSTITUTE OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA CHORCAÍ**

Semester 2 Examinations 2012/13

Module Title: Cost Planning 3B

Module Code: BULD7009

School: Building & Civil Engineering

**Programme Title: BSc in Quantity Surveying
 BSc (Hons) in Quantity Surveying
 BSc (Hons) in Construction Management**

**Programme Code: CCECO_7_Y3
 CMNGT_7_Y3
 CQTSU_8_Y3**

External Examiner(s): Declan O'Brien, Dr.Rita Scully, Mr. D. Higgins, Dr. M. Murray

Internal Examiner(s): C.Donoghue, M.Higgins

Instructions: Answer 3 questions

Duration: Two hours

Sitting: Summer 2013

Requirements for this examination:

Note to Candidates: Please check the Programme Title and the Module Title to ensure that you have received the correct examination paper.
If in doubt please contact an Invigilator.

Q1.

(a) Outline briefly how variations are valued under the RIAI form of contract. (10 marks)

(b) Utilising the following data produce a fully priced daywork sheet. (23 marks)

Labour

Monday, Tuesday, Wednesday, Thursday:

S. Ireland	General Operative	8 to 5.00pm	Cleaning site for VIP visit
Z. Scotland	General Operative	8 to 5.00pm	Cleaning site for VIP visit
W. Holland	General Operative	8 to 5.00pm	Cleaning site for VIP visit
A Brazil	Carpenter	8 to 5.00pm	Cleaning site for VIP visit
J.Jordan	Carpenter	8 to 5.00pm	Cleaning site for VIP visit

Friday:

S. Ireland	General Operative.	8 to 4.30pm	Cleaning site for VIP visit
Z. Scotland	General Operative	8 to 4.30pm	Cleaning site for VIP visit
W. Holland	General Operative	8 to 4.30pm	Cleaning site for VIP visit
A Brazil	Carpenter	8 to 4.30pm	Cleaning site for VIP visit
J.Jordan	Carpenter	8 to 4.30pm	Cleaning site for VIP visit

Saturday:

S. Ireland	General Operative.	8 to 4.30pm	Cleaning site for VIP visit
Z. Scotland	General Operative	8 to 4.30pm	Cleaning site for VIP visit
W. Holland	General Operative	8 to 4.30pm	Cleaning site for VIP visit
A Brazil	Carpenter	8 to 4.30pm	Cleaning site for VIP visit
J.Jordan	Carpenter	8 to 4.30pm	Cleaning site for VIP visit

Materials:

Wheelbarrows	3nr.@ €65each.
Shovels	4nr.@ €25each.
Brushes	2nr.@ €30each.

10% on cost adjustments.

Plant:

Industrial Hoovers 3nr. €100.00 each per day.
(All hoovers required every day)

5% on cost adjustment.

Rates:

General Operative	€23.00 standard €27.00 time and a half €30.00 double time
Carpenter	€25.00 standard €29.00 time and a half €33.00 double time

(23 marks)

Q2.

“A Main Contractor *must* complete a thorough analysis of both Cost and Value at regular intervals throughout construction projects.”

Describe the process a Main Contractor should undertake when analysing both the cost and value of construction projects.

(33 marks)

Q3.

- (a) What is your understanding of the term Total Quality Management T.Q.M.?
(8 marks)
- (b) What are the benefits of introducing and maintaining a Total Quality Management system within a Construction Company? Support your answer with examples.
(25 marks)

Q4.

- (a) “A Final Account is completed once the project has finished but should be considered at all stages of the project”. Discuss this statement and provide reasons for your arguments.
(15 marks)
- (b). In regards to professional standards and ethics, list and describe the 8 of the 12 ethical standards that the SCSI give as guidance for the quantity surveying profession.
(18 marks)