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POLITEKNIK
Jabatan Pengajian Politeknik

EXAMINATION AND EVALUATION DIVISION
DEPARTMENT OF POLYTECHNIC EDUCATION
(MINISTRY OF HIGHER EDUCATION)

CIVIL ENGINEERING DEPARTMENT

FINAL EXAMINATION

CC202:CONTRACT PROCEDURE

DATE : 21 NOVEMBER 2012 (WEDNESDAY)
DURATION : 08.30 AM – 10.30 AM

This paper consists of **FIVE (5)** pages including the front page.

Section A: Structure(10 questions – answer all)

Section B : Essay (4 questions – answer 3 questions only)

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THE CHIEF INVIGILATOR

(The CLO stated is for references only)

SECTION A

STRUCTURED (40 marks)

Instruction: This section consists of TEN (10) structured questions. Answer ALL questions in the answer booklet..

1. List **FOUR (4)** types of engineering work in construction industry. CLO 1 : C1
(4 marks)

2. Name **FOUR (4)** types of head system based on the scope of work in construction industry. CLO 1 : C1
(4 marks)

3. List **FOUR (4)** criteria for selection of contractor in a tender process. CLO2:C1
(4 marks)

4. State **TWO (2)** differences between pre-qualification tender and negotiable tender. CL02:C2
(4 marks)

5. Calculate and fill in the blanks with the correct values of Cost reimbursement contract (Prime Cost + Percentage Fee) in Table 1 . CLO2:C1
(4 marks)

| Contract Prime Cost + Percentage Fee | RM | RM |
|---|-------------------------|------------|
| 1. Cost of labour Add 25 % | 50,000.00 _____ (i) | _____ (ii) |
| 2. Cost of material Add 10% | 100,000.00 10,000.00 | 110,000.00 |
| 3. Cost sub –contractor’ work Add _____% (iii) | 10,000.00 500.00 | 10,500.00 |
| 4. Cost of Machine & plant Add 10 % | 8,000.00 800.00 | 8,800.00 |
| TOTAL COST PROJECT (RM) | | _____ (iv) |

Table: 1

6. Complete Table 2 with appropriate answers.

CLO2:C1

(4 marks)

| | Domestic Sub Contractor | Nominated Sub Contractor |
|--|---|--|
| Responsibility of Main Contractor | There is no formal contractual | i) _____ |
| Progress payment | Payment received depends on the Main Contractor | Payment Received based on work completed |
| Appointed | ii) _____ | iii) _____ |
| The right main contractor on claims payments | Through the main contractor | iv) _____ |

Table 2

7. Referring to Clause 1 Standard Form of Contract P.W.D (Rev. 2007), describe the terms below;

i. Contractor

ii. Provisional sum

CLO2:C2

(4Marks)

8. List **FOUR (4)** contents of a contract document.

CLO2:C1

(4Marks)

9. Define the following terms:

i. On-Cost Charge

ii. Defect After Completion.

CLO4:C1

(4 marks)

10. Identify the procedure used to issue interim certificate to a contractor.

CLO4:C2

(4marks)

SECTION B**ESSAY (60 marks)**

Instruction: This section consists of **FOUR (4)** essay questions. Answer **THREE (3)** questions only.
Write your answers in the answer booklet.

QUESTION 1

- a) Explain the role of each member of builder team as listed below. CLO 1:C2
- i. Contractors
 - ii. Architects
 - iii. Civil and Structural Engineer/ Electrical and Mechanical Engineer
 - iv. Quantity Surveyor
- (8 marks)
- b) Define the terms below CLO 1:C1
- i. Tender
 - ii. Quotations
- (6 marks)
- c) Explain the types of tender given below during pre-contract CLO 1:C2
- i. Open tender
 - ii. Selective tender
 - iii. Negotiable tender
- (6 marks)

QUESTION 2

- a) Explain the relationship between contract and tender CLO 2 : C2
- (4 marks)
- b) Briefly explain Turnkey Contract, giving **TWO (2)** advantages and **TWO (2)** disadvantages respectively. CLO 2 : C2
- (12 marks)

- c) Based on Contract Act 1950 (Rev. 1974) there are several principles of contract. Explain the terms of **ACCEPTANCE**.

CLO 2 : C2

(4 marks)

QUESTION 3

- a) According to Clause 5.0 Standard Form of Contract P.W.D (Rev. 2007), a Superintending Officer can give instructions to perform their duties. State **FIVE (5)** of the particulars instructions.

CLO4:C2

(10 Marks)

- b) By referring to Clause **10: Obligation of the contractor**, determine **5 (FIVE)** obligations that a contractor must fulfill during the project execution.

CLO4:C2

(10 Marks)

QUESTION 4

- a) Under Clause 23 - *Employment Of Workmen*.

- i Describe the construction workers requirement.

CLO4:C1

(5 marks)

- ii Days and Hours of Working

CLO4:C1

(5 marks)

- b) By referring to clause 4 : *Defects After Completion*, explain

- i. Diminution in Value of Works

CLO4:C1

(3 marks)

- ii. Completion of Outstanding Work and Remediating Defects

CLO4:C1

(7 marks)