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Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2018/2019**

COURSE NAME : CONSTRUCTION PROJECT
MANAGEMENT

COURSE CODE : BPE 23602 / BPE 44402

PROGRAMME : BPD

EXAMINATION DATE : JUNE / JULY 2019

DURATION : 2 HOURS

INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

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Q1 Discuss the following terms in relation to construction project management:

- (a) Variation Order (VO)
- (b) Extension of Time (EOT)
- (c) Certificate of Making Good Defects (CMGD)
- (d) Performance Bond (PB)
- (e) Liquidated Ascertained Damages (LAD)

(25 marks)

Q2 Scheduling of a project begins with breaking down the activities (Work Breakdown Structures – WBS) to reasonable smaller, meaningful and manageable tasks.

- (a) Discuss **FIVE (5)** benefits of a good WBS.

(15 marks)

- (b) Discuss how WBS relates to:

- (i) Planning of resources.
- (ii) Making estimation of project cost.

(10 marks)

Q3 The success of a project lies primarily in an effective management of cost, quality and time.

- (a) Generally there are signs (symptoms) when a project is having problems.

List **FIVE (5)** signs for each of the following project aspects:

- (i) Time
- (ii) Cost

(10 marks)

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- (b) A project is showing an actual progress of about 20% below the planned completion of 70%. It was realised that the activities are taking longer time than expected.

Propose **FIVE (5)** methods that the contractor may consider in order to catch up the outstanding works.

(15 marks)

- Q4** Two areas of concern in the construction project management are achieving high quality works through effective quality and cost control.

- (a) Explain the concept of Cost of Quality.

(5 marks)

- (b) Discuss **TWO (2)** major areas to focus at in construction projects in order to improve quality control.

(10 marks)

- (c) Discuss **TWO (2)** categories of the main cost in construction project.

(10 marks)

- END OF QUESTIONS -