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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER I  
SESSION 2013/2014**

COURSE NAME : CONSTRUCTION PROJECT  
MANAGEMENT  
COURSE CODE : BPE 44402  
PROGRAMME : 4 BPD  
EXAMINATION DATE : DECEMBER 2013/JANUARY 2014  
DURATION : 2 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

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- Q1** Discuss the following terms in respect of construction project management.
- (a) Variation Order (V.O) (5 marks)
  - (b) Extension of Time (E.O.T) (5 marks)
  - (c) Liquidated Ascertained Damages (LAD) (5 marks)
  - (d) Performance Bond (5 marks)
  - (e) Risk Management (5 marks)
- Q2** Essentially stricter project control is needed when there appear to be general or specific clues indicating that a project is experiencing some problems.
- (a) Discuss the following factors as being general clues indicating project problems.
    - (i) Performance (5 marks)
    - (ii) Time (5 marks)
    - (iii) Cost (5 marks)
  - (b) Figure **Q2(b)** shows a more specific clue of a project having problems. Discuss, by identifying the problem and possible solutions in terms of COST and TIME. (10 marks)

**Q3** A successful construction project management lies primarily in a competent project manager assigned for the project.

(a) List and discuss **FIVE (5)** important skills which a project manager should possess in order to discharge his duties effectively.

(10 marks)

(b) Discuss **FIVE (5)** roles that a project manager should play to ensure successful completion of a construction project.

(15 marks)

**Q4** Project monitoring in principle is managing the triple constraints; Quality, Time and Cost.

(a) In the aspect of cost control, discuss **TWO (2)** categories of main costs.

(10 marks)

(b) In managing construction period, there are mechanisms by which the rate of progress can be improved.

Elaborate **FIVE (5)** of these mechanisms.

(10 marks)

(c) Explain how Time-Cost Trade-off technique works.

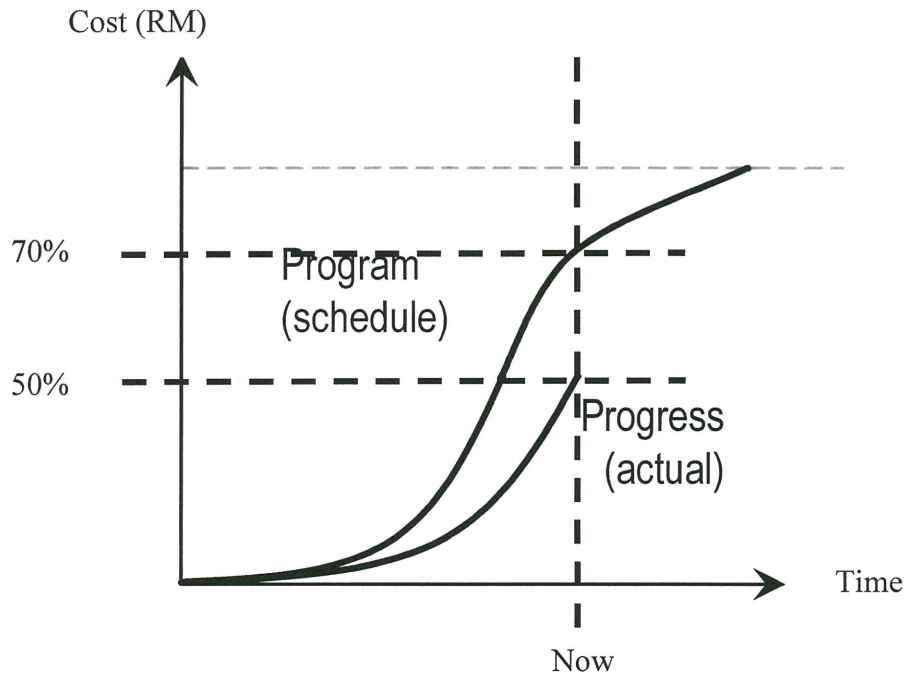
(5 marks)

**- END OF QUESTION-**

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**FIGURE Q2(b)**