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**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER I  
SESSION 2014/2015**

COURSE NAME : CONSTRUCTION PROJECT  
MANAGEMENT  
COURSE CODE : BPE 44402  
PROGRAMME : 4 BPD  
EXAMINATION DATE : DECEMBER 2014/JANUARY 2015  
DURATION : 2 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF **THREE (3)** PAGES

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**Q1** Good project planning and scheduling are parts of any successful construction project management.

(a) Differentiate between planning and scheduling (5 marks)

(b) Discuss **FIVE (5)** reasons why project scheduling is important from the owner's perspective. (10 marks)

(c) Discuss **FIVE (5)** methods by which the rate of project progress can be improved. (10 marks)

**Q2** A project is having some problems in the aspects of performance, progress and cost when there are general and specific clues being identified during project control.

(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) The financial S-curve of a project indicates that as at 31 December 2014, the actual cost spent is at 52% of the total project cost whereas its schedule (projected) is at 75%.

Analyze the project problems from the perspectives of COST and TIME (progress) based on this specific clue.

(10 marks)

**Q3** A competent project manager determines a successful project management from project inception to its completion.

(a) Outline **FIVE (5)** roles of a project manager to ensure successful completion of a construction project.

(15 marks)

(b) Discuss **FIVE (5)** most important characteristics that make a good communication to ensure an effective and efficient project site administration.

(10 marks)

**Q4** Project monitoring in principle is managing the triple constraints known as quality, time and cost.

(a) Discuss with examples **TWO (2)** other categories of main cost besides project main costs in the aspect of cost control.

(10 marks)

(b) Explain how Time-Cost Trade-off technique works by giving an appropriate example.

(10 marks)

(c) In managing and controlling project quality, effort should start at the sources of quality problems.

State **FIVE (5)** sources (areas) in which quality problems can be identified.

(5 marks)

**- END OF QUESTION -**