



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2015/2016**

COURSE NAME : ENGINEERING MANAGEMENT
COURSE CODE : BNR 35203 / BNR 42603
PROGRAMME CODE : BND / BNF / BNE
EXAMINATION DATE : JUNE / JULY 2016
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

- Q1** (a) Differentiate planning, organizing, leading and controlling in the function of management. (8 marks)
- (b) Briefly explain why we need for engineers in management. (6 marks)
- (c) Gary is a graduated engineering and get a job in a television manufacturing company. He is appointed as a production line supervisor. Discuss his tasks. (6 marks)
- Q2** (a) You are a CEO of a new company and required to plan and prepare for company's objectives. Discuss **FOUR (4)** criteria for planning the objectives. (8 marks)
- (b) State the **TWO (2)** advantages and disadvantages of wider span of control and narrow span of control organization. (6 marks)
- (c) Explain briefly the motivator factors for employee in an organization. (6 marks)
- Q3** (a) In order to provide quality for products and services, total quality management (TQM) is very important. Apply and explain **FIVE (5)** pillars of TQM to ensure the good quality of the products and services. (10 marks)
- (b) Assume that you are a quality department manager for a company and required to implement quality management and continuous improvement process in a production line. One of the elements for continuous improvement is PDCA. Discuss processes involved in PDCA cycle and draw suitable diagram. (10 marks)

- Q4** (a) Define the meaning of project. (4 marks)
- (b) James is a project manager for construction company. He needs to plan and build a factory for bicycle manufacturing company.
- (i) Breakdown the suitable plan for James to start his project. (10 marks)
- (ii) Distinguish **THREE (3)** types of project resources to be managed by the project manager. (6 marks)
- Q5** (a) Assets and liabilities are components in balance sheet. Compare between assets and liabilities. (6 marks)
- (b) Marketing is an important element in producing products and providing services. Explain briefly the **FOUR (4)** P's in marketing. (8 marks)
- (c) In order to monitor occupational safety and health issues, risk assessment is very important. One of tools for risk assessment is HIRARC. Apply steps to be done in HIRARC. (6 marks)

- END OF QUESTION -