



## UNIVERSITI TUN HUSSEIN ONN MALAYSIA

### PEPERIKSAAN AKHIR SEMESTER II SESI 2009/2010

NAMA MATA PELAJARAN : PENGURUSAN DAN ETIKA  
PROFESIONAL

KOD MATA PELAJARAN : BDA 4042

KURSUS : BDA

TARIKH PEPERIKSAAN : APRIL/MEI 2010

JANGKA MASA : 2 JAM

ARAHAN : JAWAB **TIGA (3) SOALAN** DARI  
BAHAGIAN A DAN **SEMUA**  
**SOALAN** DARI BAHAGIAN B

KERTAS SOALAN INI MENGANDUNGI TIGA (3) MUKA SURAT

**BAHAGIAN A**

- SI** (a) Nowadays in our society, 'Conflict of Interest' has become a major issue in almost all sectors. List and explain three (3) types of conflict of interest which affect the engineer's performance. (15 marks)
- (b) Briefly explain three (3) solutions how engineers can avoid 'Conflict of Interest'. (6 marks)
- (c) To sustain the performance and profit of the company, one of the most important criteria is 'Confidentiality and Propriety Information' which must be seriously protected and safe. By using relevant examples, explain why some engineering information must be kept confidential? (4 marks)
- S2** (a) What is ethics? Discuss why we must study ethics. (10 marks)
- (b) List and briefly explain what a code of ethics and its roles are? (7 marks)
- (c) Engineers are always in conflict/dilemma when dealing with code of ethics practices. List and explain the possible conflict/dilemma. (8 marks)
- S3** (a) List the requirements and steps for an engineering graduate to qualify as Professional Engineer (P.E. or Ir.) (8 marks)
- (b) List the statement and provision under Registration of Engineers Act 1967 by Board of Engineers Malaysia (BEM) which was established to administer its provision. (5 marks)
- (c) Briefly explain the roles of Board of Engineers Malaysia (BEM) and Institution of Engineers Malaysia (IEM). (4 marks)

- (d) Briefly define Professional Engineer. List and explain the required attributes that every Professional Engineer should have. (8 marks)

- S4** (a) List and explain five (5) basic functions of classical management (10 marks)
- (b) What is engineering management defined by Merritt Williamson (1982)? Discuss why we must study engineering management. (8 marks)
- (c) Briefly define Engineering Manager. List and discuss two (2) types of jobs for Engineering Manager. (7 marks)

#### **BAHAGIAN B**

**S5** Abas is currently employed by an engineering company, attached to a project department and reporting to a project manager as his immediate supervisor. The project manager is currently working on a project for expansion of a Water Treatment Plant in Johor, which is at the tendering stage. He has assigned Abas to source out contractors for the fabrication and installation works. There are six companies that have submitted tender form for the tender bidding process which are namely company A,B,C,D,E and F. He has also informed Abas that two of the companies, B and F which participate in the tender bidding are belong to his brother and advised Abas to assist his brother to succeed in the bidding. He has promised Abas some attractive benefit in terms of profit sharing and good employment opportunity as a director in his brother's company if his brother succeeds in the tender bidding. Company B has a moderate favourable criteria for the tender selection while company F is unfavourable at all. Abas had learnt a lot about Engineering Ethics in his university days and caught in a situation which is to him is totally unethical. The employment market out there is a big scarce and difficult. He dare not resign but still hope that he could change the unethical manner of his boss.

- (a) Base on the three (3) types of Conflict of Interest, choose the most relevant one which is related to the above case. (10 marks)
- (c) Base on the guideline from BEM's code of ethics (DO's and DON'Ts), state the relevant regulations which can be used to analyse the case. (10 marks)
- (c) As a professional engineer working at the Water Treatment Plant mentioned above, what suggestions would you make. (5 marks)