



**UNIVERSITI KUALA LUMPUR
Malaysia France Institute**

**FINAL EXAMINATION
JANUARY 2014 SESSION**

SUBJECT CODE : FVB 40703
SUBJECT TITLE : ENGINEERING ETHICS
LEVEL : BACHELOR
TIME / DURATION : 2.5 HOURS 3.30 pm - 6.00 pm
DATE : 05 JUN 2014

INSTRUCTIONS TO CANDIDATES

- 1. Please read the instructions given in the question paper CAREFULLY.**
 - 2. This question paper is printed on both sides of the paper.**
 - 3. Please write your answers in the answer booklet provided.**
 - 4. Answer should be written in blue or black ink except for sketching, graphic and illustration.**
 - 5. This question paper consists of SIX (6) questions. Answer FIVE (5) questions only.**
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THERE ARE 4 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

INSTRUCTION: Answer FIVE (5) questions only.

Question 1

- (a) Elaborate the term "Cost-Benefit Approach".
(2 marks)
- (b) Describe the difficulties in applying the Cost-Benefit Approach.
(6 marks)
- (c) There are **SIX (6)** features of Bribery. Explain all of the features.
(12 marks)

Question 2

- (a) Elaborate the term "Technological Pessimism"
(2 marks)
- (b) Describe the responsibilities of engineers with regard to the democratic dilemma
(6 marks)
- (c) Explain the guidelines for "fair information practices".
(12 marks)

Question 3

- (a) Elaborate the term "Lying"
(2 marks)
- (b) Describe the paradigm of telling lies.
(6 marks)
- (c) Explain the method in protecting the intellectual property.
(12 marks)

Question 4

- (a) Elaborate the phenomena of normalization of deviance. (2 marks)
- (b) Describe the characteristics of Proper Engineering Decision (6 marks)
- (c) Explain the disadvantages of utilitarian approach to risk. (12 marks)

Question 5

The question is based on the following case study. Please read and understand the case study of "Pinocchio's Nose" and answer the following questions:

Pinocchio's Nose

Robin, a pre-medical student, works two part-time jobs while attending Prestigious University. Robin finds his course load for the Spring semester very challenging and he struggles to keep up with the assignments in his anthropology course. Robin knows the anthropology instructor, Dr. Ben, thinks highly of him and that Dr. Ben has a reputation of being somewhat of a softy when it comes to "good" students. So, having missed the deadline for submission of an important paper, Robin goes to Dr. Ben with the story that he and his twin brother were in a serious car accident over the weekend. Robin explains that he didn't hand in the assignment because he has been at the hospital sitting at his brother's bedside in the intensive care unit where his brother is now on life support. Dr. Ben is of course very sympathetic and grants Robin an extension on the assignment. Later in the semester Robin once again finds himself behind the eighth ball on an assignment.

Consider each of the following questions and evaluate the case study:

- (a) Describe what is the action or inaction that is the cause for concern? (2 marks)
- (b) Explain all the possible consequences that Robin will be facing from his action? (12 marks)

- (c) Suggest what can be done to prevent this from reoccurring or to minimize the severity of the consequences?

(6 marks)

Question 6

The question is based on the following case study. Please read and understand the case study of "Borrowing Without Permission" and answer the following questions:

"Borrowing" Without Permission

Lisa, a postdoctoral student in Prof. Ali's lab is told that she will not be re-appointed when her current 1-year contract expires. Lisa feels that Prof. Ali has the funds to support her but that he simply doesn't like her and that is why he is not reappointing her. Angry with Prof. Ali and determined to get back at him, Lisa decides that she will take her lab notebooks, some lab supplies, and several critical laboratory reagents when she leaves. In a month later, Lisa is surprised when armed policemen show up at her parents' home to arrest her.

Consider each of the following questions and evaluate the case study:

- (a) Describe what is the action or inaction that is the cause for concern?

(2 marks)

- (b) Explain all the possible consequences that Lisa will be facing from her action?

(6 marks)

- (c) Suggest what can be done to prevent this from reoccurring or to minimize the severity of the consequences?

(12 marks)

END OF QUESTION