



**UNIVERSITI KUALA LUMPUR  
Malaysia France Institute**

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**FINAL EXAMINATION  
SEPTEMBER 2014 SESSION**

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**SUBJECT CODE** : FVB40703  
**SUBJECT TITLE** : ENGINEERING ETHICS  
**LEVEL** : BACHELOR  
**TIME / DURATION** : 2.00 PM – 4.30 PM  
(2.5 HOURS)  
**DATE** : 11 JANUARY 2015

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**INSTRUCTIONS TO CANDIDATES**

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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.**

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**INSTRUCTION: Answer FIVE (5) questions only.**

**Question 1**

- (a) Elaborate the term "Safety".  
(2 marks)
- (b) Describe the voluntary vs. involuntary risk.  
(6 marks)
- (c) There are **THREE** (3) categories in understanding the ethical problems. Explain all of the categories.  
(12 marks)

**Question 2**

- (a) Elaborate the term "virtual ethics"  
(2 marks)
- (b) Describe how should safety incorporated into engineering design process.  
(6 marks)
- (c) Explain the concept in Muslim Ethics.  
(12 marks)

**Question 3**

- (a) Elaborate the term "Conflict of Interest"  
(2 marks)
- (b) Describe how to solve the whistle-blowing issue within a corporation.  
(6 marks)
- (c) Explain when whistle-blowing should be attempted.  
(12 marks)

**Question 4**

(a) Elaborate the term “code of ethics”.

(2 marks)

(b) Invasion of privacy can be harmful to an individual in TWO (2) ways. Describe **BOTH** ways of privacy invasion.

(6 marks)

(c) Explain the attributes of *Professions*.

(12 marks)

**Question 5**

The question is based on the following case study. Please read and understand the case study of “Honesty’s always the Best Policy” and answer the following questions:

**Honesty’s always the Best Policy**

Rahmat knew he was smart. His classmates always turned to him for help on assignments and he always knew the answers to the questions his teachers asked in class. Rahmat just didn't study for tests so his grades were often mediocre. He knew he could do better in school, it was just that school was so... well, boring.

School was coming to an end for the year and Rahmat needed to get a good job this summer, after all this was the end of his junior year. He desperately wanted to work at the famous Research Institute. Rahmat felt that if he got a job there as a summer intern, it would really boost his chances of getting admitted to the graduate engineering program of his choice. He knew the institute hired very few summer interns and generally these were students from private schools who had excellent academic records and high standardized test scores. So, Rahmat decided to "tweak" his resume. He rounded his GPA up from 3.0 to a more respectable 3.5 and listed his SAT scores as 700 verbal and 820 math (in reality they were 600 verbal and 720 math). Rahmat reasoned that these changes really didn't matter because he would show them who he really was through the quality of the work he did for the Institute once he was hired...

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 Rahmat 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 "Copy and Paste" and answer the following questions:

#### **"Copy and Paste"**

Late in the afternoon, Lisa finally had a chance to Google for information on "problem-based learning" for her course assignment due the next morning. Though she was tired, she couldn't help but wonder when she noticed the same article appearing on the first two websites was almost identical word-for-word. Both websites were for education courses being taught by two different faculty at two different academic institutions located in different states. Curious, she emailed the authors of both papers concerning her observation and printed out a copy of both pages to bring with her to class the next morning.

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**