



UNIVERSITI KUALA LUMPUR
Malaysia France Institute

FINAL EXAMINATION
JANUARY 2011 SESSION

SUBJECT CODE : FCD 30103
SUBJECT TITLE : RAC SYSTEM STUDIES
LEVEL : DIPLOMA
TIME / DURATION : 9.00am – 12.00pm
(3 HOURS)
DATE : 05 MAY 2011

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 on 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 TWO (2) sections. Section A and B. Answer all questions in Section A. For Section B, answer two (2) question only.
 6. Answer all questions in English.
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THERE ARE 5 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 60 marks)**INSTRUCTION: Answer ALL questions.****Please use the answer booklet provided.****Question 1**

- (a) There are three (3) considerations that you must be alerted to while doing system selection such as System Constraint, Architectural Constraint and Financial Constraint. By using your own understanding, explain briefly all the consideration.
(5 marks)
- (b) In M & E drawing we have four (4) common types of drawing such as Shop Drawing, As Built Drawing, Detail Drawing and Schematic Drawing. Give the definition of Schematic Drawing complete with the sketches.
(10 marks)

Question 2

- (a) Unitary system is one of the systems in Air Conditioning.
- i. Explain the definition of Unitary system
(7 marks)
 - ii. List down three (3) general categories in Unitary System.
(3 marks)
- (b) You have decided to use two pipe direct returns. After a month you realized that the problems were occurring in this system. What are the problem and how you can solve it?
(5 marks)

