



**UNIVERSITI KUALA LUMPUR
Malaysia France Institute**

**FINAL EXAMINATION
JANUARY 2010 SESSION**

SUBJECT CODE : FWB 42902
SUBJECT TITLE : MECHANIZATION TECHNOLOGY
LEVEL : BACHELOR
TIME / DURATION : 9.00am – 11.30am
(2.5 HOURS)
DATE : 04 MAY 2010

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 questions paper consists of **TWO (2)** sections. Section A and B. Answer **ALL** questions in section A. For section B, answer **FOUR (4)** questions only.
6. Answer **ALL** questions in English.

THERE ARE 7 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 40 marks)**INSTRUCTION: Answers should be written in the OMR sheet provided in the Appendix 1.**

1. Regardless of the degree of automation; the objectives of automation are:
 - A to reduce manufacturing costs by increasing productivity;
 - B improving quality and reliability;
 - C (a) and (b);
 - D None of the above.

2 marks

2. This is possible by the reduction or elimination of human errors. Other benefits of automation include:
 - A Lower floor space requirements;
 - B Increased throughput;
 - C (a) and (b);
 - D None of the above.

2 marks

3. When automation systems are integrated into production scheduling systems, it will:-
 - A improved production flows;
 - B result in better deliveries to customers;
 - C (a) and (b);
 - D None of the above.

2 marks

4. In manufacturing, the term Automation means that:-
 - A some or all of the functions or steps in an operation are performed in sequence;
 - B some or all of the functions or steps in an operation are performed in sequence by mechanical or electronic means;
 - C some or all of the functions or steps in an operation are performed not in sequence by mechanical or electronic means;
 - D None of the above.

2 marks

5. Automation may be:
 - A partial, with certain functions or steps performed manually (partial automation);
 - B may be full, meaning that all functions and steps are performed by the equipment in proper sequence without adjustment by an operator (total automation);
 - C (a) and (b);
 - D None of the above.

2 marks

