



**UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY**

**FINAL EXAMINATION
JANUARY 2016 SEMESTER**

COURSE CODE : JLB 20903
COURSE TITLE : WAREHOUSE MANAGEMENT
PROGRAMME LEVEL : BACHELOR
DATE : 26 MAY 2016
TIME : 9.00 AM – 12.00 PM
DURATION : 3 HOURS

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. This question paper consists of TWO (2) sections.**
- 4. Answer ALL questions in Section A. Choose TWO (2) questions in section B.**
- 5. Please write your answers on the answer booklet provided.**
- 6. Please answer all questions in English only.**

THERE ARE 3 PAGES OF QUESTIONS EXCLUDING THIS PAGE.

SECTION A (Total: 40 marks)

INSTRUCTION: Answer all questions.

Please use answer booklet provided.

Question 1

Packaging is external protective coverings used for the safe transportation of goods to the importer. Various types of packaging materials are available to choose from. Identify **FOUR (4)** factors that need to be considered when deciding the best type of packaging material to be used.

(20 marks)

Question 2

Material handling activities involve loading, moving, and unloading of materials. Various types of equipments are used in this activity. Describe **FIVE (5)** requirements in choosing the right material handling equipment.

(20 marks)

Section B (Total: 60 Marks)

INSTRUCTION: Answer THREE (3) questions only.

Please use the answer booklet provided.

Question 1

Choosing the site of a potential warehouse is an important aspect that needs to be considered by companies planning to have a warehouse. Provide **FIVE (5)** factors that are taken into consideration when selecting the site of a warehouse.

(20 marks)

Question 2

Warehouses function as a place to hold goods when certain conditions require the company to do so. Examine **FIVE (5)** reasons of holding inventory in a warehouse.

(20 marks)

Question 3

Purchasing department plays important roles in order to manage warehouse efficiently. Evaluate **FIVE (5)** roles of purchasing department.

(20 marks)

Question 4

Order picking is one of main processes in warehouse. There are two strategies of order picking; picker to goods and goods to picker. Analyse **FOUR (4)** methods available for picker to goods strategy.

(20 marks)

Question 5

a. Many companies use an ABC analysis to produce an effective warehouse layout. Complete and fill in all the blanks in the table below. Write the answers in answer booklet provided.

Product #	Quantity	% of Quantity	Price (RM)	Revenue (RM)	% of Revenue
M	2340	11.7		42800	10.7
N		11.4	71.05	162000	
O	3740		4.17		3.9
P	3900	19.5		44400	11.1
Q		18.6	5.59	20800	
R	1200	6	82.67		24.8
S	2820		5.39	15200	
Total					

Class	Product #	Total % of Revenue	Total % of Quantity
A			
B			
C			

(10 marks)

b. Mentoru Sdn Bhd shop is open 300 days per year. The annual demand for a particular brand of calculator is 4500, and the lead time to receive order from the supplier is 7 days. The maximum order that the company receives is 18 units per day.

i. Calculate the reorder level

(5 marks)

ii. Calculate the safety stock level.

(5 marks)

END OF EXAMINATION PAPER