

## **BERJAYA BUSINESS SCHOOL**

## **FINAL EXAMINATION**

Student ID (in Figures)	:													
Student ID (in Words)	:													
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Subject Code & Name	:	MGT	T 5104	4 OPE	RATIC	ONS N	IANA	GEME	ENT &	DECI	SION	SCIEN	CE	
Semester & Year	:	SEPT	EMBI	ER - D	<b>ECEM</b>	IBER 2	2017							
Lecturer/Examiner	:	LEE \	YEE W	/AN										
Duration	:	3 Ho	urs											
Lecturer/Examiner	:	SEPT LEE	EMBI YEE W	ER - D				GEME	ENT &	DECI	SION	SCIEN	CE	

## **INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 3 parts:

PART A (20 marks) : Answer Two (2) structured answer questions. Answers are to be written

in the Answer Booklet provided.

PART B (50 marks) : Answer Two (2) essay answer questions. Answers are to be written in the

Answer Booklet provided.

PART C (30 marks) : Answer Three (3) problem solving answer questions. Answers are to be

written in the Answer Booklet provided.

- 2. Candidates are not allowed to bring any unauthorized materials except writing equipment into the Examination Hall. Electronic dictionaries are strictly prohibited.
- 3. This question paper must be submitted along with all used and/or unused rough papers and/or graph paper (if any). Candidates are NOT allowed to take any examination materials out of the examination hall.
- 4. Only ballpoint pens are allowed to be used in answering the questions, with the exception of multiple choice questions, where 2B pencils are to be used.

WARNING: The University Examination Board (UEB) of BERJAYA University College of Hospitality regards cheating as a most serious offence and will not hesitate to mete out the appropriate punitive actions according to the severity of the offence committed, and in accordance with the clauses stipulated in the Students' Handbook, up to and including expulsion from BERJAYA University College of Hospitality.

**Total Number of pages = 4 (Including the cover page)** 

PART A : Structured Answer Question (20 MARKS)

**INSTRUCTION(S)** : Answer **TWO (2)** questions. Write your answers in the Answer

Booklet(s) provided.

1. Answer the Two (2) questions below:-

a. List the pressures that lean systems pose for supply chains, whether in the form of process failure due to inventory shortages or labor shortages, and so forth.

(5 marks)

b. Assess how these pressures may apply to a firm that is actually implementing lean philosophy in their operations. (5 marks)

**Total 10 marks** 

- 2. Answer the Two (2) questions below:
  - a. Discuss operations strategy and competitive priorities.

(5 marks)

b. Outline Five (5) disadvantages of globalization to operation management.

(5 marks)

**Total 10 marks** 

**End of Part A** 

PART B : ESSAY ANSWER QUESTIONS (50 MARKS)

**INSTRUCTION(S)**: Answer **TWO (2)** questions. Write your answers in the Answer

Booklet(s) provided.

Assess the relationship between inventory and the nine competitive priorities
 "using operations to compete". Suppose that two competing manufacturers, e.g.
 Company H and Company L, are similar except that Company H has much higher
 investments in raw materials, work-in-progress, and finished goods inventory
 than company L. Justify in which of the nine competitive priorities will Company
 H have an advantage. (25 marks)

2. Outline the philosophy of Total Quality Management (TQM). Develop a diagram of TQM Wheel and evaluate the three (3) main principles of TQM i.e. Customer Satisfaction, Employee Involvement and Continuous Improvement in sustaining products and processes quality standard. (25 marks)

**End of Part B** 

PART C : PROBLEM SOLVING QUESTIONS (30 MARKS)

**INSTRUCTION(S)** : Answer **THREE (3)** questions. Write your answers in the Answer

Booklet(s) provided.

A manufacturer of ballet shoes has determined that its production facility has a
design capacipty of 300 shoes per week. The effective capacity, however, is 230
shoes per week. Evaluate what is the manufacturer's capacity utilization relative to
both design and effective capacity if output is 200 shoes per week? Justify your
answer. (10 marks)

- 2. An airline company must plan its fleet capacity and its long-term schedule of aircraft usage. For one flight segment, the average number of customers per day is 70, which represents a 65 percent utilization rate of the equipment assigned to the flight segment. If demand is expected to increase to 84 customers for this flight segment in three years, construct in calculation what capacity requirement that should be planned. Assume that management deems that a capacity cushion of 25 percent is appropriate. (10 marks)
- 3. A gardener wants to develop a forecast for next year's quarterly sales of cactus trees. He has collected quarterly sales for the past two years and expects total sales for next year to be 500 cactus tress. The data clearly exhibit seasonality. Evaluate how much can he expect to sell during each quarter of next year accounting for seasonality. (10 marks)

	Cactus Trees Sold							
Season	Year 1	Year 2						
Fall	100	110						
Winter	82	95						
Spring	180	173						
Summer	110	110						
Total	472	488						

**End of Part C**