

ACADEMIC YEAR 2021 – 2022

Program	Year	Semester	Paper
Diploma in logistics and transport management	2	1	Main

MODULE NAME:	Logistics Management
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MODULE CODE:	PTRL II.I	EXAM DATE:	10/01/2022
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TEACHER'S NAME:	Bekir Sahin	DURATION:	120 Min
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Questions to be answered on:	Allowed requirements	Number of pages
Space provided on the question paper	Pen, Pencil, Calculator	(Incl. Cover Page): 3

Points of Attention:

- For each question, the maximum earned points are mentioned between brackets at the end of each question.
- Write very clearly! Answers that are not readable are not marked and do not get points!
- Make sure your answers are written to the point.
- All answers should be written **in English**.
- Show all the calculation steps in the given space.
- Any cheating/copying may result in an instant failing of the examination.

FINAL MARKS

STUDENT NAME:			40
STUDENT ID:			10

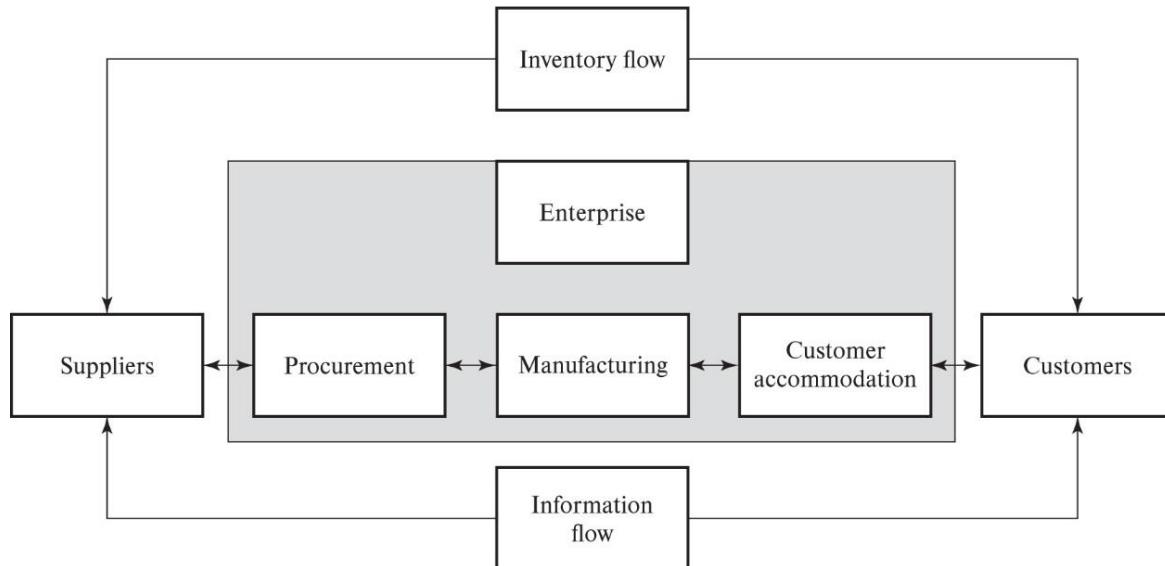
Number of answer scripts:

Invigilator:

Student's signature:

Time of receipt:

1. The following figure shows the logistical integration. To achieve logistical integration within a supply chain context, please write and explain the operational objectives that must be simultaneously achieved. **(10 marks)**



2. Advanced planning and scheduling (APS) (i) focuses on component or item, (ii) considers network of plants, distribution centers, and customers, and (iii) requires links for lead times. A sample APS planning situation is given below. Please calculate the values of production and inventory carryover for alternatives 1 and 2. **(10 marks)**

Time Period	1	2	3	4	5
Requirement	125	125	125	375	125
Production Capacity	187.5	187.5	187.5	187.5	187.5
Alternative 1 (overtime):					
Production					
Inventory Carryover					
Alternative 2 (build ahead):					
Production					
Inventory Carryover					

3. Discuss the following questions (**10 marks**)

What are the quality dimensions? (2,5 marks)

Who is customer? (2,5 marks)

What are the fundamental elements of customer service? (2,5 marks)

What is customer satisfaction? (2,5 marks)

4. The demand types are (1) Independent versus dependent demand, (2) Stationary versus dynamic demand., (3) Single versus multi-echelon demand, (4) Single-item versus system demand. Please describe the demand types one-by-one and discuss them each other. (10 marks)

END OF EXAM
