	DURATION: 2 1/2 Hours TOTAL MARKS: 75
NOT	E:
1)	All Questions are compulsory with internal choice options and carry 15 marks each.
2)	Figures to the right indicate full marks
3)	Use of simple Calculator is allowed
4)	Working note should form part of your answer for practical questions.
Q.1)	a) Choose the correct option (Any 8):
1) La	ack of communication between members of supply chain leads toeffect
(a)	Miscommunication, (b) Bull- Whip, (c) Classical, (d) Bad
2)	type of material handling equipment does not require an operator.
(a)	Fork Lift truck, (b) Crane, (c) Industrial Trucks, (d) Conveyors
3) C	ombining several shipments into one large shipment is termed as
(a)) Sorting, (b) Assortment, (c) Consolidation, (d) Cross Docking
4)	is not an objective of inventory management
	(a) Minimising waste, (b) Optimum utilisation of space,
	(c) Blockage of investment, (d) Avoid over ordering
5)	is not an objective of performance measurement.
(a)	Planning, (b) Monitoring, (c) Controlling, (d) Directing
	travels through the inland waterway to an ocean port and is loaded on to a ean going vessel, and shipped across ocean.
a) l	Barge b) Container c) Curgo d) Pallets
7)	is not an I.T. related tool used in Logistics.
(a)	EDI, (b) RFID, (c) ERP, (d) S-OS
	fission of logistics is providing a means by whichis achieved.
	Customer Image, b) Goodwill, c) Customer satisfaction, d) Customer problem
9) In	method an attempt is made to develop forecast through group consensus.
a)	Delphi b) Naive c) Consumer Survey d) Regression
10) R	esource cost are assigned to various activities of the organization in
	Mission Based Costing, b) Activity Based Costing,
c)	Total Cost Approach, d) Traditional Costing

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Q.1) b) State the following True or Fals	e A (Attempt A	Any 7 Question	15)	(07)		
1) Pipeline mode of transport is used for movement of liquid items.							
2) Consumer packaging aims at attractive appeal and information sharing.							
3) Break bulk is one of the service benefits of warehousing.							
4) Transportation creates time utility.	Service Control						
5) TOFC stands for Transport on Flat car							
6) Terminal facilities is not an element of transport infrastructure							
7) Inventory management involves main requirements.	ntaining require	ed level of sto	cks to n	neet cus	tomer		
8) Outbound logistics deals with procurement of spare parts and raw materials.							
9) Customers are the last link in the supply chain.							
10) Moving average is a qualitative method of demand forecasting.							
10) Woving average is a quantative mean	ou or demand	,					
Q.2) a) Define and explain concept of Lo	gistics. Discuss	the importance	of Logi	istics.	(08)		
b) List down and explain the 7 Righ			4		(07)		
5, <u>2</u>	"OR"						
Q.2) c) From the below given data, cal	lculate a 3 peri	od Weighted N	Moving	Average	with		
weights as 3, 2 and 1. The largest weight is assigned to most recent period and current							
demand value. Also forecast the demand			201		(10)		
Period 1 2 3 4	5 . 6	7 8	9	10	11.		
(Month)	X		₹1				
Demand 100 120 130 135	145 150	160 175	180	190	?		
in Units							
					(O.E.)		
d) Discuss the concept of Bull-Whip effe	ct with the help	of its causes.			(05)		
	radal Tassassas	estion? Ermlein		a Inton	Madal		
Q.3) a) What do you mean by Inter Modal Transportation? Explain various Inter Modal Combinations. (08)							
Combinations.					(00)		
d) Explain the concept of Material	Handling with t	he help of its n	rinciples	(any 6)			
a) Explain the concept of Material	rianding with t	ne help of his pi	merpies	(any o)	(07)		
	"OR"				(07)		
Q.3) c) Explain the concept of packagin		various packag	ing mate	erials an	d their		
uses.	ь, шоо оприи	ranous purang			(08)		
d) What is Warehousing? Discuss various factors affecting Warehousing Cost. (07)							
d) What is Wallenburners I		J	Ö		,		
Q.4) a) Explain the concept of EOQ and	solve the probl	em. The annua	deman	d of an i	tem is		
5400 units. The unit cost is Rs. I							
(procurement) cost is 150. Calculate EOQ and Total Inventory Cost. (08)							
b) Discuss the concept of Performance Measurement in Logistics. Explain Internal							
Dimensions/ Types of Performan					(07)		
3,1	"OR"						

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Q.4) c) Distinguish between ABC and MBC
d) What do you mean by Logistical network analysis? Explain its objectives. (07)

Q.5) Read the given Case carefully and answer the questions given below: (15)

AGCO is a leading global force in the manufacture and supply of agricultural machinery. The company grew substantially over the course of two decades, achieving a considerable portion of that growth by way of acquisitions.

As commonly happens when enterprises grow in this way, AGCO experienced increasing degrees of supply chain complexity, along with associated increases in cost, but for many years, did little to address the issue directly, primarily due to the decentralized and fragmented nature of its global network.

In 2012, AGCO's leaders recognised that this state of affairs could not continue and decided to establish a long-term program of strategic optimisation.

With five separate brands under its umbrella, AGCO's product portfolio is vast. At the point when optimisation planning began, sourcing and inbound logistics were managed by teams in various countries, each with different levels of SCM maturity, and using different tools and systems.

As a result of the decentralised environment, in which inbound logistics and transport management were separate operational fields, there was insufficient transparency in the supply chain. The enterprise as a whole was not taking advantage of synergies and economies of scale (and the benefits of the same). These issues existed against a backdrop of a volatile, seasonal market.

Ouestions:

1) Explain the facts of the case with the help of SWOT analysis of the case. (08)

2) Suggest some strategies to resolve global supply chain problems mentioned in the above case. (07)

"OR"

Q.5) Short Notes (Any 3)

(15)

- 1) Golden Quadrilateral
- 2) Reverse Logistics
- 3) LASH
- 4) Bar-coding and GPS
- 5) Palletisation

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