

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA SEMESTER- IV - EXAMINATION-SUMMER-2024

Subject Code: 4549271**Date: 26/04/2024****Subject Name: Materials Management****Time: 10:30 AM TO 01:30 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

		Marks
Q.1	Explain the following terms briefly: (a) Purchasing Cycle (b) Merits of Codification (c) Product Structure file (d) Gozinto graph (e) MPS (f) Bar Codes (g) Value Analysis	14
Q.2	(a) Explain the primary and the secondary objectives of materials management.	07
	(b) Elaborate various warehouse activities.	07
	OR	
	(b) Discuss various types of Material Coding System.	07
Q.3	(a) What are the objectives of store keeping? List and explain.	07
	(b) What is scheduling? Explain various types of scheduling.	07
	OR	
Q.3	(a) Classify different types of storage equipment.	07
	(b) Explain the Theory of Constraints.	07
Q.4	(a) What three levels of planning involve operations managers? What kinds of decisions are made at the various levels?	07
	(b) Briefly discuss the requirements for effective MRP.	07
	OR	
Q.4	(a) Describe difficulties in aggregate planning that might confront an organization offering a variety of products and/or services would not confront an organization that offers one or a few similar products or services?	07
	(b) What do you understand by Bills of Materials? Explain the structure and benefits of it.	07

Q.5 CASE STUDY:

Mr Ankur recently joined a growing small manufacturing unit as a Purchase Manager. Till now there has been no position as that of Purchase Manager and no standard procedure for acquiring materials. He has the major responsibility for locating suitable sources of supply and for negotiating prices.

Apart from this, he has also been asked to look into the material handling function with the objective of improving production efficiency.

After understanding of different principles of Material Handling, he identifies that if gradually if the manufacturing unit is moved from manual to mechanized handling equipment, it would lower the cost in long run.

- (a) Discuss various principles of purchasing which Mr Ankur will have to take into consideration. **07**
- (b) How does effective materials handling help in improving production efficiency? **07**

OR

- Q.5**
- (a) Explain purchase procedure in detail. Discuss various steps of purchase cycle. **07**
 - (b) Discuss the importance of mechanized material handling equipment. Explain the factors that will guide Mr Ankur in the selection of appropriate material handling equipment. **07**
