

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2022****Subject Code:3152210****Date:04-01-2023****Subject Name:Industrial Management****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

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

MARKS

Q.1	(a) Discuss the basic concepts and needs of industrial management.	03
	(b) Describe the objective and functions of production planning.	04
	(c) Discuss the various means of material handling which are commonly used in manufacturing plants.	07
Q.2	(a) Define CPM. Discuss the system of CPM.	03
	(b) Name the techniques which are used in selecting a best location for plant. Explain the procedure for selecting a plant site.	04
	(c) Enumerate the factors involved in forecasting. State the purpose of short term and long term forecasting.	07
OR		
	(c) Explain the duties of marketing manager.	07
Q.3	(a) Discuss the language of CPM.	03
	(b) Describe the difficulties encountered in the construction of CPM chart and the use of dummy operations.	04
	(c) Explain the advantages and limitations of CPM.	07
OR		
Q.3	(a) Discuss the three time estimates and expected time for PERT.	03
	(b) Differentiate between CPM and PERT.	04
	(c) Explain the advantages and limitations of PERT.	07
Q.4	(a) Discuss the steps in production planning.	03
	(b) Define marketing. Discuss in the principle and functions of marketing.	04
	(c) Explain the various inspection standards.	07
OR		
Q.4	(a) Discuss the factors which you need for the selection of a plant.	03
	(b) Define the production control. What are the different techniques of production control?	04
	(c) Explain the quality management systems.	07
Q.5	(a) Discuss the factors considered for plant layout.	03
	(b) Explain the different types of handling systems.	04
	(c) List the limitation of Gantt chart. Give one example to explain each limitation.	07
OR		
Q.5	(a) State the principle and purpose of quality control.	03
	(b) Explain the difference between inspection and quality control.	04

- (c) Explain the flow pattern to be adopted for the movement of raw materials. **07**
