

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2024****Subject Code: 3152210****Date:16-05-2024****Subject Name: Industrial Management****Time:02:30 PM TO 05:00 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

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