

17577

**11920**

**3 Hours / 100 Marks**

Seat No.

--	--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
  - (2) Answer each next main Question on a new page.
  - (3) Illustrate your answers with neat sketches wherever necessary.
  - (4) Assume suitable data, if necessary.
  - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

**1. Solve any FIVE :**

**20**

- (a) State the importance of producing planning in brief.
- (b) Give the classification of work study.
- (c) Explain in brief the requirement of project management.
- (d) Give a brief introduction to P.E.R.T.
- (e) State the objectives of maintenance in the garment industry.
- (f) Define SQC. List the various statistical tool for quality control.
- (g) Explain the terms – cost accounting & cost control.

**2. Solve any FOUR :**

**16**

- (a) Explain the various strategies used in production planning.
- (b) Describe the procedure of method study in brief.
- (c) State the factors to be considered for project management planning.
- (d) List down the risks involved in planning under uncertainty.
- (e) Give a note on cost of maintenance.
- (f) Define – Mean, Mode, Range, Dispersion.

[1 of 2]

**P.T.O.**

- 3. Solve any FOUR :** **16**
- (a) Explain the different types of production in brief.
  - (b) State the importance of ergonomics in work study.
  - (c) List down the different activities & events in project management.
  - (d) Calculate three times estimate. Give examples.
  - (e) State the new developments in maintenance in detail.
  - (f) State the advantages & limitations of SQL.
- 4. Solve any FOUR :** **16**
- (a) Give a note on production control.
  - (b) State the importance of performance rating & allowances.
  - (c) Differentiate between AOA & AON.
  - (d) On what basis is probability calculated ? State its limitations.
  - (e) Differentiate between CPM & PERT.
  - (f) Explain in brief about breakdown & preventive maintenance.
- 5. Solve any TWO :** **16**
- (a) Step-by-step, describe the PPC functions in detail.
  - (b) Explain the motion economy in detail.
  - (c) Explain the network diagram based on Fulkerson's rule in detail.
- 6. Solve any TWO :** **16**
- (a) Explain in detail the various types of control charts.
  - (b) Define Cost Accounting. State the different methods of cost accounting. Explain its importance in the industry.
  - (c) Define break even analysis. Show its graphical representation. Describe the method of calculating it in detail. State its advantages in the industry.
-