17577

15162

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 5** : **20**

1) Explain the objectives of production planning.
2) What is method study ? Explain its advantages.
3) Explain the types of activities and events in project management.
4) Enlist 3 time estimates in PERT. What is the purpose and importance of 3-times estimates ?
5) State the objectives of maintenance.
6) Define quality. State its parameters.
7) Explain the importance of cost accounting.

2. Solve **any 4** : **16**

1) Explain the various types of production in brief.
2) State the importance of flow charts in work study with an example.
3) Describe the network diagram based on Fulkerson's rule.
4) Explain the concept of probability of project completion with an example.
5) What are the requirements of good maintenance ?
6) Explain the meaning and advantages of statistical quality control.

3. Write notes on **any 4** : **16**

1) Break even analysis.
2) Production control.
3) Motion economy.
4) Activity on arrow.
5) Critical path method.
6) Preventive maintenance.

P.T.O.

Marks

4. Solve **any 4** : **16**

1) Write in brief about the types of control charts.
2) Write a note on cost controlling.
3) Explain the capacity calculations with 2 examples from garment industry.
4) Write in brief about activity on Node.
5) What is the basis of performance rating and allowances ?
6) Explain in detail the steps the Program Evaluation Review Technique.

5. Solve **any 2** : **16**

1) Explain in detail the different types of maintenance in industry and compare them.
2) Define Mean, mode, median and range and calculate for following data observations (101, 105, 104, 105, 107, 105, 104).
3) Describe the PPC functions in detail.

6. Solve **any 2** : **16**

1) Explain in detail 'Ergonomics' with an example.
2) Write in detail about backward and forward pass computations taking suitable example.
3) a) Describe the process of planning under uncertainty with an example.
   b) A burger joint sells one burger at Rs. 40. The cost of making one burger is Rs. 18. The fixed cost at the joint is Rs. 50,000 per month. Calculate the 'Break Even Point'.
