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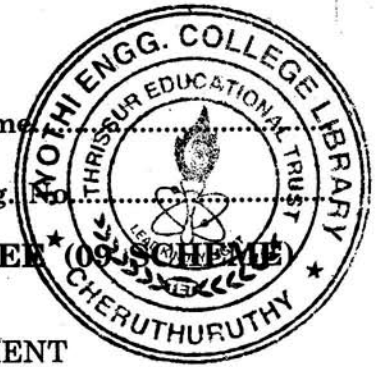
SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE (09 SCHEME) EXAMINATION, NOVEMBER 2014

ME/PTME/AM 09 702—OPERATIONS MANAGEMENT

Time : Three Hours　　　　　　　　　　　　　　　　　Maximum : 70 Marks

Part A

*Answer **all** the questions.*
Each question carries 2 marks.

1. How is the operations management field related to the fields of human resources, and information systems ?

2. Define the terms qualitative method and time series method.

3. How FMS differ from other-manufacturing system ?

4. What is economic quantity ?

5. How will you carry out Project management ?

(5 × 2 = 10 marks)

Part B

*Answer any **four** questions.*
Each question carries 5 marks.

6. Discuss the role of the operation functions in Product design.

7. Critique the customer contact model. What are its strength and weaknesses ?

8. Write short notes on "cycle graph and simo chart".

9. Why is stockout cost difficult to determine ? Discuss it briefly.

10. Write short note on "Maintenance Organization".

11. Discuss about computerised layout planning.

(4 × 5 = 20 marks)

Part C

*Answer **all** questions.*

12. Explain why the rate of Productivity Improvement in the service industries has been much lower than in manufacturing industries.

Or

Turn over

13. The ABC floral shop sold the following number of geraniums during the past two weeks.

Day Demand	Day Demand
1 – 200	8 – 154
2 – 134	9 – 182
3 – 147	10 – 197
4 – 165	11 – 132
5 – 183	12 – 163
6 – 125	13 – 157
7 – 146	14 – 169

Calculate a forecast of the above demand using a three and *five* period moving average.

14. Explain the scope, purpose and human aspects of work systems.

Or

15. With an example, explain the master Production Scheduling with neat diagram.
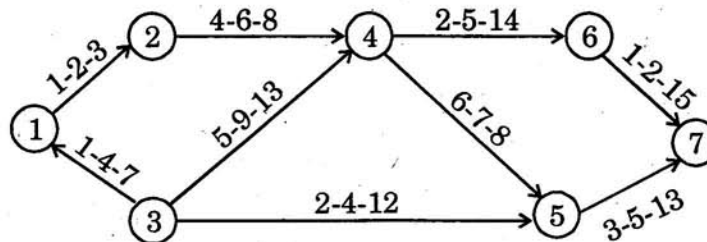
16. Explain the different methods of Purchasing.

Or

17. Describe the procedure for the receipt of materials into the stores and their issue from there.

18. Suggest an Organizational chart for a Scooter factory. Show the position of maintenance depths in it.

Or

19. Project network is shown below with Optimistic, most likely and Pessimistic time of the activities

Determine the expected time duration of the project.

(4 × 10 = 40 marks)