

R07
Code: R7320203

B.Tech III Year II Semester (R07) Supplementary Examinations December/January 2015/2016

MANAGEMENT SCIENCE

(Common to EEE, E.Con.E, ECE and ECC)

(For 2008 regular admitted batch only)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 Define management. Explain how it is different from administration.
- 2 What is matrix organization? Explain its merits, demerits and suitability.
- 3 What is work study? Explain its salient features and relevance in the modern industry.
- 4 A particular item has a demand of 9000 units/ year. The cost of one procurement is Rs. 100/- and the holding cost per unit is Rs. 2.40/- per year. The replacement is instantaneous and no shortages are allowed. Determine:
 - (a) Economic order quantity.
 - (b) Time between orders & No. of orders per year.
 - (c) Total cost per year if cost of one unit is Re.1/-.
- 5 (a) Define 'Merit rating'. What are the objectives of merit rating?
(b) How is merit rating different from job evaluation?
- 6 Draw the PERT network for the following activities and determine the probability of completing the project in 48 days.

Jobs	Duration in days		
	Optimistic	Most likely	Pessimistic
1-2	5	8	1
1-3	1	3	5
2-4	4	6	7
3-4	3	7	9
4-5	10	20	30
4-7	3	6	10
5-7	5	9	12
6-8	1	4	6
7-8	2	5	9

- 7 Explain:
 - (a) SWOT analysis.
 - (b) Generic strategy alternatives.
- 8 What are the different methods of TQM? Explain any two methods in briefly
