Code No: 117EG R13

JAWAHARLAL NEHRÜ TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, March - 2017 MANAGEMENT SCIENCE

	(Common to ECE MMT)	
Time	(Common to ECE, MMT)	Max. Marks: 75
	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer at Part B consists of 5 Units. Answer any one full question question carries 10 marks and may have a, b, c as sub question	l questions in Part A. from each unit. Each
	Part- A (25 Marks)	
b) c)	What is scalar chain principle? What are the advantages of narrow span of control? What are Therbligs?	[2]
d) e) :∷: [f):	What are the control charts for inspection by attributes? Define HRD. What is job analysis? Why is it needed?	[2] [3] [2]
g)	What is crash time?	SR [3] SR
h) i) j)	What is cost slope? Mention its significance. What is the typical time horizon for long range planning? What is demotion? What would be its impact on workforce?	[3] [2] [3]
* * * * * * * * * * * * * * * * * * *	Part-B (50 Marks)	. SR SF
2.a) b)	Describe Maslow's theory of motivation. Define authority and responsibility. What is the relationship am OR	nong them? [5+5]
3.	What are the various group of people to whom the busin responsibility? Briefly describe the nature of each of them.	ness organization owe
4.a)	Calculate the number of observations required for an accuracy confidence level of 95%, if the average percentage of occurrence	of plus minus 5% and see of an activity is 0.8.
b)	Describe the following store records: i) Goods Received Note ii) Invoice iii) Material Issue Requisi OR OR	tion. [5+5]
5.a)	A company follows EOQ while planning for its requirement particular item at EOQ, the inventory carrying cost is Rs560 ordering cost?	0/ What is the total
b)	What are the elements of marketing mix? Explain each of them	briefly. [2+8]
6.a)	Explain some of the on-the-job training methods.	
b)	What are the factors affecting compensation policy? OR	[5+5]
7.a)	What are the steps involved while handling grievance?	
b)	What are the various incentives offered by employer to its staff?	[5+5]
X	SR SR SR SR	

A small project is composed of 7 activities whose time estimates are listed below.

	**	1,111		
activity		Estimated time duration in weeks		
	optimistic	Most likely	pessimistic	
1-2	1	1	7	
1-3	1	4	7	
1-4 :**: :*	*,2		, 8 ,,,	
2-5	*·1	1	-1	
3-5	2	5	14	
4-6	2	5	8	
5-6	3	6	15	

Draw PERT diagram and represent the project completion time.

[10]

9. A project has the following time schedule:

Activity	Time in months	activity	Time in months
1-2	2	3-7	5
1-3	. 2	4-6	3
1-4	:1	5-8	11
2-5	4	6-9	5
3-6	8	7-8	4
		8-9	3

Construct PERT network and compute critical path and its duration.

[10]

- 10.a) What is Bench marking and what are its limitations?
 - b) What are the various elements in the corporate planning process?

[5+5]

- 11.a) What is the purpose of environmental scanning?
 - b) What is balance score card?

[5+5]

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