SREE VIDYANIKETHAN ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to JNTUA, Ananthapuramu)

III B.Tech II Semester (SVEC-16) Regular/Supplementary Examinations August - 2021
MANAGEMENT SCIENCE
[Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering]

Time: 3 hours   Max. Marks: 70

Answer One Question from each Unit
All questions carry equal marks

UNIT-I

1.	a)	Explain the functions of Management.	CO1	7 Marks
	b)	Define Organization. Write the objectives and principles of Organization.	CO1	7 Marks

(OR)

2.	a)	Write the nature and importance of Management.	CO3	7 Marks
	b)	What is Line Organization? Write the benefits of line Organization.	CO3	7 Marks

UNIT-II

3.	a)	Define Marketing? Write functions of Marketing.	CO2	7 Marks
	b)	Explain the classical model of E.O.Q.	CO2	7 Marks

(OR)

4.	a)	Write short notes on: i) Just in Time. ii) Work study.	CO1	4 Marks
	b)	The data given below shows the details for the inspection of 10 consecutive batches:	CO4	10 Marks

Batch No.	1	2	3	4	5	6	7	8	9	10
No. of pieces inspected	175	181	208	166	217	158	199	220	162	212
No. of defectives	5	10	7	4	8	6	7	5	3	5

Construct a chart showing the control and warning limits.

UNIT-III

5.	a)	Write the role of H.R manager in an Organization.	CO1	7 Marks
	b)	Explain Herzberg's two factor theory of motivation with suitable examples.	CO1	7 Marks

(OR)

6.	a)	Briefly explain the nature and scope of H.R.M.	CO1	7 Marks
	b)	Define Job Evaluation. Explain the importance of Job Evaluation.	CO1	7 Marks

UNIT-IV

7.	a)	Discuss the role of women in an Entrepreneurship.	CO5	7 Marks
	b)	Write the differences between Entrepreneur and Manager.	CO5	7 Marks

(OR)

8. The activity details along with time estimates in days and precedence relationships are given below: **CO4** **14 Marks**

Activity	Predecessor	Time estimate		
		Optimistic	Most likely	Pessimistic
A	-	4	6	8
B	A	5	7	15
C	A	4	8	12
D	B	15	20	25
E	B	10	18	26
F	C	8	9	16
G	E	4	8	12
H	D,F	1	2	3
I	G,H	6	7	8

i) Construct network diagram for the project.

ii) Determine the critical path and compute the expected completion time.

iii) Determine the probability of completing the project in 65 days.

UNIT-V

9. a) What is E.R.P? Explain its subsystems with suitable examples. **CO1** **7 Marks**

   b) What do you mean by Globalisation? Explain the importance of Globalisation. **CO2** **7 Marks**

(OR)

10. a) What is B.P.O? Explain the features of B.P.O. **CO6** **7 Marks**

    b) Write the importance of Material Requirements Planning. **CO1** **7 Marks**

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