R19

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B. Tech II Year I Semester Supplementary Examinations August-2021
MANAGEMENT SCIENCE
(Computer Science & Information Technology)
(Open Elective-I)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1	a	Define and explain in the management and its various functions.	6M
	b	Mention the elements of Scientific Management outlined by Taylor's scientific theory.	6M

OR

2	a	Explain the principles of Management as outlined by Henry Fayol's.	6M
	b	Examine the Span of control.	6M

UNIT-II

3	a	Explain the concept of work study and its types.	8M
	b	Elaborate the ABC analysis and derive algebraic model of EOQ.	4M

OR

4	a	Explain the stages in Product Life Cycle with the help of diagram.	7M
	b	What is distribution? Explain the process of channels of distribution.	5M

UNIT-III

5	a	Explain and evaluate the process of recruitment and employee selection.	6M
	b	What is Job evaluation? Explain various methods of Job Evaluation.	6M

OR

6	a	Discuss the wage and salary administration.	5M
	b	Briefly Discuss the methods of Performance Appraisal.	7M

UNIT-IV

7	a	Discuss about environmental scanning and explain the process of environmental scanning	6M
	b	Identify and discuss the stages in the process of strategy formulation and implementation.	6M

OR

8	a	Define PERT and importance in Network analysis	6M
	b	A small engineering project consists of six activities. The three times estimates in number days for each activity are given below.	6M

Activity	1-2	2-3	3-5	5-6	1-4	4-5	t_o
2	1	0	7	3	2	5	t_m
1	6	7	3	8	8	1	t_p
18	7	3	14				

Find out:

i) Calculate the values of expected time (t_e), and S.D variance (v_i) of each activity

ii) Draw the network diagram and market on each activity

iii) Calculate EST and LFT and mark them on the network diagram

iv) Calculate total slack for each activity

v) Identify the critical path and mark on the network diagram

vi) Probability of completing project in 25 days.

UNIT-V

9   a   'Business Process Reengineering deals with the restructuring the processes associated with the products or services'. Do you agree? Illustrate.   **6M**

    b   Explain the enterprise resource planning and its utilities in management.   **6M**

OR

10   a   What is TQM and its importance?   **6M**

    b   What is balanced score card? How it is useful for a company?   **6M**

*** END ***