Reg. No. ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code | 12159

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2023
Sixth Semester
Computer Science and Engineering
20CSEL601- SOFTWARE PROJECT MANAGEMENT
(Regulations 2020)

Duration: 3 Hours
Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

		Marks, K-Level, CO
1.	What are the activities covered by SPM?	*2,K1,CO1*
2.	What is cost-benefit analysis?	*2,K1,CO1*
3.	What is Extreme Programming?	*2,K1,CO2*
4.	What are the features of the Spiral Model?	*2,K1,CO2*
5.	What is PERT?	*2,K1,CO3*
6.	Define slack.	*2,K1,CO3*
7.	Define change control.	*2,K1,CO5*
8.	List the categories of reporting.	*2,K1,CO5*
9.	What is the general recruitment process approach?	*2,K1,CO6*
10.	What is bespoke system?	*2,K1,CO6*

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11. a) Describe how cost- benefits evaluation techniques and its methods with examples. *13,K2,CO1*

OR

b) Summarize an outline of step wise planning activities for a project with a neat diagram. *13,K2,CO1*

12. a) Explain the COCOMO II parametric productive model in detail with the steps in effort estimation technique. *13,K2,CO2*

OR

b) Explain in detail about Managing interactive processes. *13,K2,CO2*

13. a) Consider the table for the project. *13,K3,CO3*

Activity	Predecessor	Duration (Weeks)
A	None	4
B	A	6

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

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C	A	3
D	B	6
E	D	14
F	C	5
G	E,F	2
H	G	2
I	G	3
J	H,I	4
K	J	2

    a) Construct the network diagram.

    b) Identify the critical path.

    c) Explain the term stack, earliest start, earliest finish, late start and late finish.

Construct ES-EF network and LS-LF network.

OR

b) How will you evaluate the PERT techniques? Explain it with suitable examples. *13,K2,CO3*

14. a) Discuss the various ways in visualizing the progress of the project with neat diagram. *13,K2,CO5*

OR

b) Explain in detail about contract management with assumed example. *13,K2,CO5*

15. a) Explain the Maslow's Hierarchy of needs with an example. *13,K2,CO6*

OR

b) Describe the various motivational models with example. *13,K2,CO6*

PART - C (1 × 15 = 15 Marks)

16. a) Demonstrate on the major risks that might affect your project and identify the strategies for minimizing each of those risks. *15,K3,CO4*

OR

b) Illustrate in detail the steps involved in risk planning in project development. *15,K3,CO4*