04 MAY 2023 - FN

Reg. No.												

Question Paper Code	11837

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2023

Seventh Semester

Computer Science and Engineering

IT8075 - SOFTWARE PROJECT MANAGEMENT

(Regulations 2017)

Duration: 3 Hours | Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

		Marks, K-Level, CO
1.	What is the need of software project management?	*2,K1,CO1*
2.	What is cost benefit analysis?	*2,K1,CO1*
3.	List out the various agile approaches.	*2,K1,CO2*
4.	Classify the different effort of estimation methods.	*2,K2,CO3*
5.	What are the various approaches you would use to identify activities?	*2,K1,CO3*
6.	Compare PERT and CPM.	*2,K2,CO3*
7.	Classify the Earned Value Analysis and Earned Value Management.	*2,K2,CO5*
8.	Define the typical terms of a contract.	*2,K1,CO4*
9.	List out the strategies for risk reduction can be adopted for the following software project. Risk: Personnel (staffing) shortfalls.	*2,K2,CO6*
10.	Define Virtual Team.	*2,K1,CO6*

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11.	a)	Explain the various activities covered by software project management.	*13,K2,CO1*
		OR	
	b)	What is risk evaluation? Explain the use of decision trees in risk evaluation.	*13,K2,CO1*
12.	a)	Explain in detail about Rapid Application Development.	*13,K2,CO2*
		OR	
	b)	Examine the COCOMO II parametric productive model in detail with the steps in effort estimation technique.	*13,K4,CO2*
13.	a)	Explain in detail about the objectives of activity planning.	*13,K4,CO3*
		OR	

b) Demonstrate the following:
(i) Function point mark II method. 6,K3,CO3
(ii) COSMIC full function point method. 7,K3,CO3

14. a) Explain the various methods for Visualizing the progress of a project. 13,K2,CO5

OR

b) Appraise the activities involved in software configuration management. 13,K2,CO5

15. a) Explain Hackman and Oldham job characteristics model. 13,K2,CO6

OR

b) Discuss about the different models of Motivation. 13,K2,CO6

PART - C (1 × 15 = 15 Marks)

16. a) Illustrate the steps involved for Extreme Programming. List out its disadvantages and disadvantages. 15,K2,CO4

OR

b) Explain the spiral software development life cycle model with diagrammatic illustration. Also discuss its strengths and deficiencies. 15,K2,CO4