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Question Paper Code

13499

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2025

Sixth Semester

Computer Science and Engineering

20CSEL601 - SOFTWARE PROJECT MANAGEMENT

Regulations - 2020

D	uration: 3 Hours	M	lax. Mark	s: 10	00
	PART -	$ A (MCQ) (10 \times 1 = 10 Marks) $	Manka	<i>K</i> –	CO
		Answer ALL Questions	Marks	Level	CO
1.		pical activity in software project management?	1	K1	CO1
	· /	(b) Cost estimation			
	(c) Coding standards enforcement		_		<i>a</i>
2.	In Stepwise Project Planning, what	•	1	<i>K</i> 2	CO1
	(a) Develop the project schedule	(b) Allocate resources			
	(c) Identify project scope and object	· · · · · · · · · · · · · · · · · · ·	7	W2	CO2
3.	Which of the following is NOT a pr		1	K2	CO2
		(b) Comprehensive documentation			
4	(c) Responding to change	(d) Working software	1	K2	CO2
4.	RAD model is best suited for project		1	K2	CO2
	(a) Requirements are fixed				
5.	Which of the following is a key com	(d) No user involvement is expected	1	K2	CO3
٥.		(b) Cost drivers	1	112	005
	(a) Functional testing(c) Test cases	(d) Waterfall process			
6.	What does COCOMO stand for?	(a) Waterian process	1	K1	CO3
0.	(a) Common Cost Model	(b) Constructive Cost Model			
	(c) Computer Cost Monitor	(d) Component-based Cost Model			
7.	· ·	s helps in identifying the longest path in a proj	ect 1	<i>K</i> 2	CO4
	schedule?	The second secon			
	(a) Gantt Chart	(b) Monte Carlo Simulation			
	• •	(d) Risk Matrix			
8.	In project scheduling, what does a z	ero float indicate?	1	K1	CO4
	(a) The activity can be delayed	(b) The activity is not required			
	(c) The activity is on the critical path	h (d) The activity is finished early			
9.	Which metric in Earned Value Ar	alysis indicates how efficiently the budget is be	ing ¹	<i>K</i> 2	CO5
	used?				
	(a) SPI (b) PV	(c) CPI (d) EV	_		
10.	Which of the following is a common		1	KI	CO6
	(a) Too much face-to-face interaction				
	(c) Communication barriers	(d) High physical infrastructure cost			
		$- B (12 \times 2 = 24 Marks)$			
11		swer ALL Questions	2	<i>K</i> 2	CO1
	List the characteristics of a project.				
12.	Explain project portfolio manageme		2	<i>K</i> 2	CO1
13.	Define the term 'stepwise project pl	anning'.	2	K1	CO2
14.	Define Rapid Application Developm	nent (RAD) in brief.	2	K1	CO2
15.	Illustrate the purpose of using proto	types in software development.	2	<i>K</i> 2	CO3
		e Agile model over the Waterfall model.	2	K2	CO3
K1 –	- Remember; K2 – Understand; K3 – Apply;	K4 – Analyze; K5 – Evaluate; K6 – Create		134	<i>199</i>

17.	List tl	ne advantages of PERT Technique.	2	K2	CO4						
18.	8. Summarize the cost drivers in COCOMO II.										
19.	19. Define risk identification in project management.										
20.	20. Interpret the primary goal of a communication plan in project management.										
21.	List to	wo causes of workplace stress in software teams.	2	K2	CO6						
22.	22. Define motivation and explain why it's important in managing people.										
$PART - C (6 \times 11 = 66 Marks)$											
22	-)	Answer ALL Questions	11	К3	CO1						
23.	a)	Elaborate the activities involved in software project management with suitable examples.	11	KJ	COI						
	OR										
	b)	Identify the cost-benefit evaluation techniques used in software project	11	<i>K3</i>	CO1						
		management.									
24.	a)	Explain the various software process models with their advantages and	11	<i>K</i> 2	CO2						
		disadvantages. OR									
	b)		11	<i>K</i> 2	CO2						
	0)	disadvantages and disadvantages.									
25.	a)	Outline various effort and cost estimation techniques used in software project	11	<i>K3</i>	CO3						
		management. OR									
	b)	Build COSMIC Function Point methodology and how is it used in software size	11	К3	CO3						
	estimation.										
26.											
	significance in project planning.										
	1 \	OR	11	V2	CO1						
	b)	Apply the PERT technique with an example and explain how it helps in time estimation under uncertainty	11	K3	CO4						
27.	a)	Build the various stages of contract placement in detail.	11	<i>K3</i>	CO5						
	,	OR									
	b)	Construct the various ways in visualizing the progress of the project with neat	11	<i>K3</i>	CO5						
		diagram.									

28.	a)	Develop the ethical and professional responsibilities of a software project	11	K3	CO6						
		manager. OR									
	b)	Interpret the different types of team structures used in the project management.	11	К3	CO6						
	-,	1									