(d) Capability Maturity Planning

# **Question Paper Code: 47701**

## B.E./B.Tech. DEGREE EXAMINATION, DEC 2021

### Seventh Semester

Computer Science Engineering

### 14UME701 -PROJECT MANAGEMENT AND FINANCE

(Common to MECH, ECE, EEE, EIE, ICE and IT branch)

	(Re	gulation 2014)		
Duration: Three hours Maximum				
	PART A -	$-(10 \times 1 = 10 \text{ Mark})$	s)	
	(Answ	ver all Questions)		
1.	Milestone charts are developed around			CO1- R
	(a) 1800 (b) 1840	(c) 1900	(d) 1940	
2.	The process of scoping, planning, staffing, organizing, and controlling the development of an acceptable system at a minimum cost within specified time frame is			CO1- R
	(a) Project management	(b) Prod	ess management	
	(c) Expectations management matrix	(d) Stat	ement of work.	
3.	Process Analysis is a function of			CO2- R
	(a) Performance Analysis	(b) Qua	lity Metrics	
	(c) Process Improvement Plan	(d) Qua	lity Improvement Plan	
4.	A strategy wherein all project stakeholders participate in a multiple-day workshop to achieve consensus on project scope, schedule, resources and budget is:			CO2- R
	(a) Total Quality Management	(b) Stak	eholder's Meeting	

(c) Joint Project Planning

5.	The process of Control Procurements falls under which process group			
	(a) Planning	(b) Closing		
	(c) Monitoring and Control	(d) Executing		
6.	In multilevel feedback scheduling algorithm		CO3- R	
	(a) a process can move to a different classified re	eady queue		
	(b) classification of ready queue is permanent			
	(c) processes are not classified into groups			
	(d) none of the mentioned			
7.	The phases of a project life cycle are		CO4- R	
	(a) Starting, planning, control and closing			
	(b) Concept, definition, development, handover	and closure		
	(c) Initiation, definition, planning, monitoring ar	nd operations		
	(d) Concept, definition, implementation and operations			
8.	Which of the following is not a function of project quality management?		CO4- R	
	(a) Plan Quality Management	(b) Quality Assurance		
	(c) quantitative measurement	(d) Control Quality		
9.	Which is the function of financial control?		CO5- R	
	(a) Audit	(b) Planning for Control		
	(c) Accounting	(d) All of the above		
10.	A key aspect of managing a project involves		CO5- R	
	(a) Defining which operational systems to put in	place		
	(b) Identifying routine tasks			
	(c) Ensuring ongoing operations are maintained			
	(d) Planning to achieve defined objectives			
	$PART - B (5 \times 2 =$	10Marks)		
11.	What is mean by WBS (Work Breakdown Structure)?		CO1- U	
12.	What is Activity-on-Node (AON)?		CO2- U	
13.	Define Limitation of CCS (Critical Chain Sched	uling).	CO3- U	
14.	Explain the concept of quality project management?		CO4- U	
15.	Define ratio analysis.		CO5- U	

## PART – C (5 x 16= 80Marks)

16.	(a)	Explain characteristics of organization structure with advantages and disadvantages.	CO1 -App	(16)
		Or		
	(b)	Briefly explain about the project life cycle.	CO1 -U	(16)
17.	(a)	Brief about PERT and CPM. List out some projects done by PERT and CPM.	CO2- U	(16)
		Or		
	(b)	What is project planning? List and explain its steps.	CO2- U	(16)
18.	(a)	Describe the multi project scheduling method for a project.  Or	CO3- U	(16)
	(b)	Draw the layout about critical chain method with clear explanation.	CO3- U	(16)
19.	(a)	Explain in details of Quality management at different stages.  Or	CO4 - Ana	(16)
	(b)	What are the phases of project audit? Explain in detail.	CO4- U	(16)
20.	(a)	(i) A project requires an initial investment of Rs 5, 00,000/- and is estimated to generate future cash inflow of Rs 62,000, Rs 70,000, Rs 45,000, Rs 72,000, Rs 75,000, Rs 85,000, Rs 90,000, Rs 56,000, Rs 50,000 and Rs 55,000. Compute the Payback period.	CO5- Ana	(8)
		(ii) Discuss about the Average rate of return, and its merits and	CO5- Ana	(8)
	demerits			
Or				
	(b)	Explain risks and return evaluation in investment.	CO5- U	(16)