

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

May-June 2023-2024		
(B.Tech / M.Tech.) Program: Information Technology Scheme: II		
Regular Examination: LY Semester: VIII		
Course Code: ILC8041 and Course Name: Project Management		
Date of Exam:-21/05/2024	Duration: 02.5 Hours	Max. Marks: 60

Instructions:				
(1) All questions are compulsory.				
(2) Draw neat diagrams wherever applicable.				
(3) Assume suitable data, if necessary.				
		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	Enlist and describe 3 constraints of the project.	2	CO1	U
ii)	Which of the following are key characteristics of high-quality Work Breakdown Structures? (Select all that Apply) a. Task-oriented b. Deliverable-oriented c. Hierarchical d. Includes only the end products, services or results of the project e. Completely applies the 100% Rule.	2	CO2	U
iii)	Illustrate top down and bottom-up approach of project scheduling.	2	CO3	U
iv)	Enlist 6 steps involved in managing Risk.	2	CO4	U
v)	Which are different types of project contract. ?	2	CO5	U
vi)	List out the responsibilities of the project manager in terminating the project.	2	CO6	U
vii)	What is feasibility study ?	2	CO1	U
viii)	Construct a list of factors, conditions, and circumstances you think might be important for a manufacturing firm to evaluate during the project selection process. Do the same for a computer repair shop.	2	CO2	U
Q.2	Solve any four questions out of six.	16		
i)	Describe the project life cycle and its relation with SDLC.	4	CO1	U
ii)	Planning a project without RACI Matrix is recommended or not recommended? Illustrate your answer.	4	CO2	U
iii)	Draw a network diagram for the following:	4	CO3	U

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	-Activities P and Q follows R			
	--Activities S follows P			
	--Activity T follows Q			
	--Activities S and T precedes U			
iv)	Distinguish resource loading from resource levelling. Why levelling of resource is preferred in large fluctuations.	4	CO4	U
v)	What is Project Audit.	4	CO5	U
vi)	Explain ethical dilemma with suitable example.	4	CO6	U
Q.3	Solve any two questions out of three.	16		
i)	Describe Project Management Knowledge Areas as per project management	8	CO1	R,U
ii)	For work package the budgeted cost of March 31 is \$25, 000. Suppose as of march 31 the supervision determines that only 80% of scheduled work has been completed and actual expenses is \$26,000. What is BCWP? Compute AV, SV, CV, SPI and CPI of work package	8	CO4	R,U
iii)	What causes so much conflict on multidisciplinary teams? As a PM, what would you try to do to prevent or reduce such conflict?	8	CO5	R,U
Q.4	Solve any two questions out of three.	16		
i)	What is the need of project management.?	8	CO2	R,U
ii)	Explain concurrent engineering in detail.	8	CO3	R,U
iii)	Explain the practice of exemplary leadership? What are leadership styles	8	CO6	R,U
