	InSem Examination-IWinter 2023		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester:III	
	Name of Programme:MCA	Pattern:2022	
	Name of Course:Software Project Management and Testing	Course Code:MCA223005	
	Max. Marks:30	Duration:1	

	Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use. 1. This question paper contains 02 page(s). 2. Answer to each new question is to be started on a new page. 3. Assume suitable data wherever required, but justify it. 4. Draw the neat labelled diagrams, wherever necessary. 5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.	

Question No. 1 Attempt following Question

a) Identify and describe the main steps involved in stepwise project planning.   (8) CO1

OR

b) List and explain three essential skills that a project manager should possess to effectively manage projects.   (8) CO1

c) Define the term "Project Scope" and discuss its role in project management.   (7) CO1

OR

d) Provide examples of how a Work Breakdown Structure (WBS) can help in project management.   (7) CO1

Question No. 2 Attempt following Question

a) How does the schedule in a project plan serve as a crucial tool for project management and execution? Provide examples of how a well-structured schedule contributes to project success.   (8) CO2

OR

b) What are the key inputs required for parametric estimation models? How do these inputs influence the accuracy of the effort estimation?   (8) CO2

c) Consider a software project using semidetached mode with 500 KLOC. Find out the effort estimation, development time and Person estimation using Basic COCOMO model. (7) CO2

OR

d) Consider the following activity data for the project effort estimation and draw the network diagram and calculate the earliest and latest time.

Activity:	1-2	1-3	2-4	2-5	3-4	4-5	(7)	CO2
Duration:	10	6	8	4	3	5		