

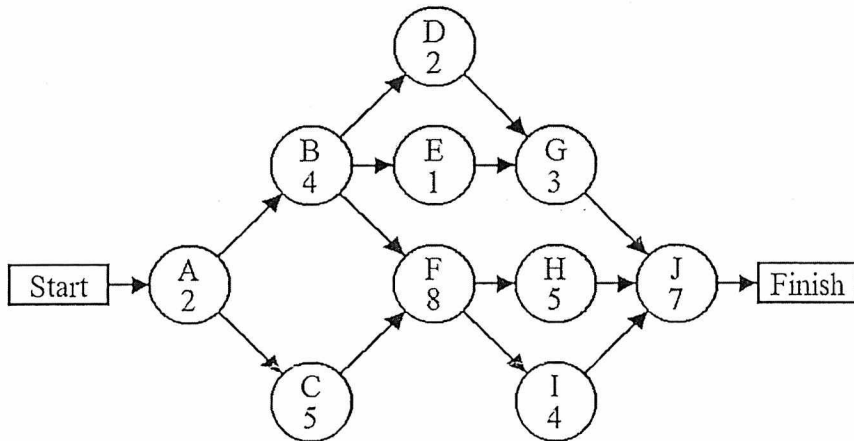
MAY 2018: END SEMESTER ASSESSMENT (ESA) MCA VI SEMESTER

UC15MC651 - PROJECT MANAGEMENT AND REPORT WRITING

Time: 2 Hrs

Answer All Questions

Max Marks: 60

1.	a)	Describe the characteristics of project.	3														
	b)	What are different activities involved in “Identify Project Scope and Objectives” during project planning?	5														
	c)	Calculate Net profit, Payback period and ROI (Return on interest) for the following project shown in table.	4														
<table><tr><th>Year</th><th>Cash flow(in Rs)</th></tr><tr><td>0</td><td>-1,000,000</td></tr><tr><td>1</td><td>200,000</td></tr><tr><td>2</td><td>200,000</td></tr><tr><td>3</td><td>200,000</td></tr><tr><td>4</td><td>200,000</td></tr><tr><td>5</td><td>300,000</td></tr></table>			Year	Cash flow(in Rs)	0	-1,000,000	1	200,000	2	200,000	3	200,000	4	200,000	5	300,000	
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2.	a)	Explain different approaches to identify the activities in activity planning.	6														
	b)	Consider the following project network.Determine the critical path and the project duration using activity-on-arrow network.	6														
																	

3.	a)	What is an Oldham-Hackman job characteristic Model? Explain in brief.	5
	b)	What are different formats in which a software development department can be structured? Discuss one format in brief.	4
	c)	Define the terms 'shaper', 'plant' and 'chair' in a balanced team.	3
4.	a)	Define Schedule Variance and Cost Variance.	2
	b)	You have a project to be completed in 12 months and the cost of the project is Rs 1,50,000. Six months have passed and Rs 86,000 has been spent, but on closer review, you find that only 40% of the work has been completed so far. Find the Schedule Performance Index(SPI) and Cost Performance Index(CPI) for this project and deduce whether the project is behind or ahead of schedule.	6
	c)	Describe different steps involved in RAG reporting of software development.	4
5.	a)	Describe the different components of a typical project report writing in software development.	6
	b)	Write a short note on Reporting Style and Plagiarism.	3+3