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Daffodil International University
Faculty of Science & Information Technology
Department of Software Engineering
Midterm Examination, Fall-2025

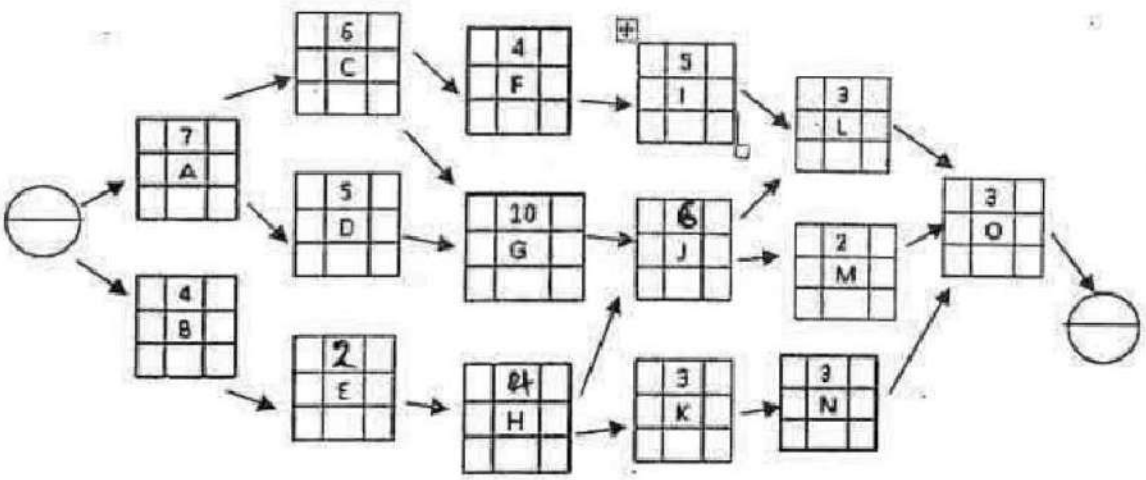
Course Code: SE 411; Course Title: Software Project Management & Documentation

Time: 1:30 Hrs **Sections 38A & 38B,** **Teachers: MKS** **Marks: 25**

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

Case study: Read, invent and incorporate information where necessary.
You have recently been recruited as the Project Management expert to develop an AI System for Road Transport Authority. The AI would store all information of vehicles, drivers, owners, route permit, fitness etc. and would suggest probable accident prone areas and time o authority and drivers on road. To complete the project your team of 20 members of different skills would get 4 months. The project had been given to you as you are an expert of big projects. However, you do not have enough flexible time in your hand and budget would be very tight but as an expert of project management you can take special initiatives/steps to monitor and control and/or motivate your team.

1.	a. **Allocate** two requirements in an empty RTM structure related to above case.	[Marks-3]	CO-1 *Level-3*
	b. **Generate** a list of required project management skills which are appropriate for this project.	[Marks-3]	
2.	a. **Figure Out** the values of empty boxes after predicting any values in "?" space and **identify** CP in Activity on Arrow diagram given underneath. 	[Marks-7]	CO-2 *Level-4*
	b. From your answer on above AOA, **Correlate** the values to the following table after completing the table.	[Marks-3]	

Activities	Predecessors	Duration (in Day)
A.	--	--
B.	--	--
--	--	--

c. **Outline** a Work Breakdown structure for the above project given in case study.	[Marks-5]	
d. Figure out a solution using any quality improvement tool if your primary releases are less standard to clients.	[Marks-4]	
e. **Distinguish** between i. EV vs PV and ii. CV vs SV in costing.	[Marks-2]	