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Daffodil International University

Faculty of Science & Information Technology

Department of Software Engineering

Midterm Examination, Summer - 2026

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

Sections 44 (A, B, C, D,E, F, G, H & I) Teachers: MKS, MH, FF, KNA & MSN

Time: 1:30 Hrs **Marks: 25**

Answer ALL Questions

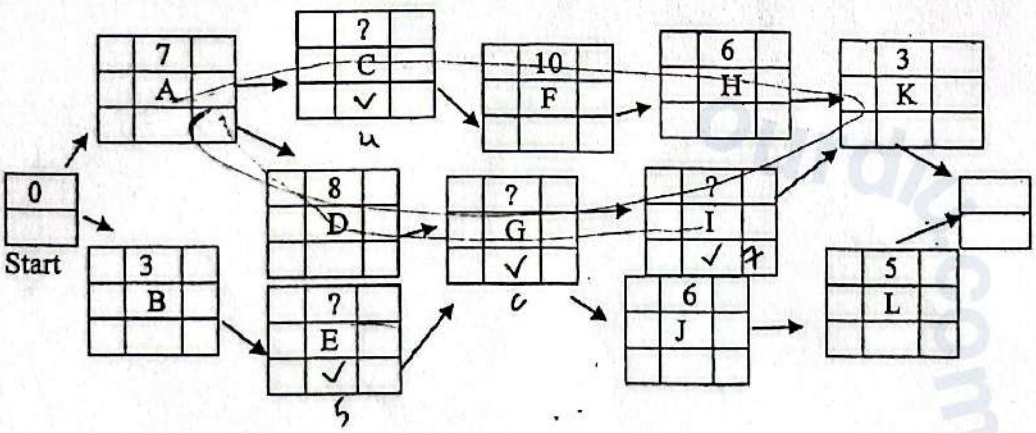
[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

Case study: Read, invent and incorporate information where necessary.

AI-Powered Healthcare Management System

While developing an AI-powered Healthcare Management System for a network of hospitals, you, as the Project Manager, discovered that patient data privacy regulations are very strict and compliance is mandatory. The client expects an operational prototype within 4 months. However, medical records are scattered across different hospitals and stored in incompatible formats.

The project team consists of 18 technical and non-technical members. Several doctors and healthcare professionals are available only part-time for requirements gathering. The budget is moderate, but any security breach could result in severe penalties and loss of client trust.

1.	a. **Allocate** two requirements in an empty RTM related to above case. b. **Generate** a list of success factors which are appropriate for this project.	**[Marks-3]** **[Marks-3]**	**CLO-1** *Level-3*
2.	a. **Identify** the values of Network Diagram with CP after filling the "?" sections below.  b. **Outline** a sample budget for the above project given in case study. c. **Identify one** quality issue from the given case and **explain** how quality can be improved with any quality management tool. d. **Distinguish** between i. EV vs PV; ii. CV vs SV; and iii. Contingency Reserve vs Management reserve.	**[Marks-6]** **[Marks-5]** **[Marks-5]** **[Marks-3]**	**CO-2** *Level-4*