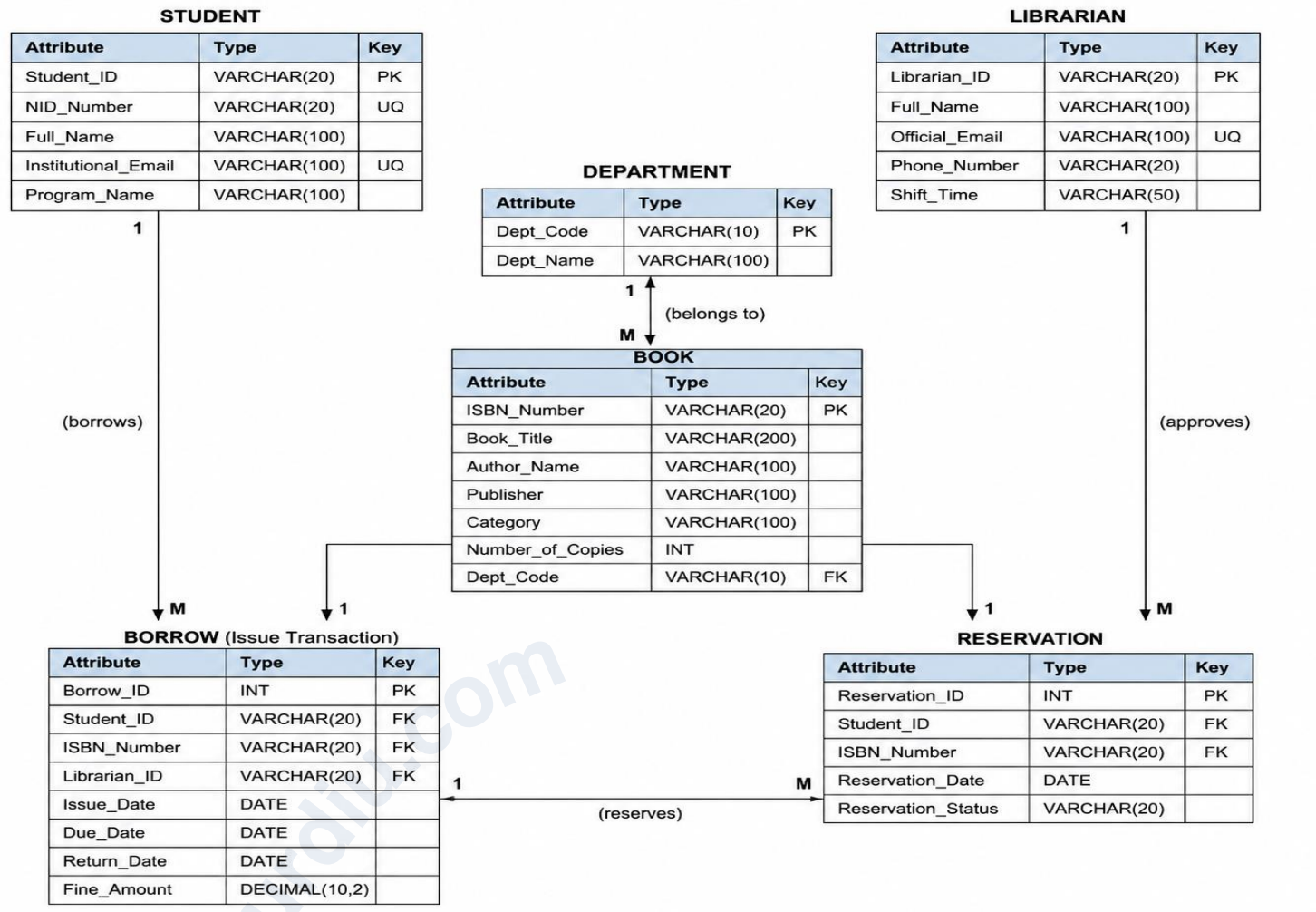
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Daffodil International University
Department of Software Engineering
Quiz 1, Summer 2026, Section: 45 H
Course Code: SE223; Course Title: Database System

Marks- 15 40 min

Question 1:



a) Identify and Illustrate the best suited architecture for to implement the above DIU-Library Management System database and justify your answer (4 marks)

b) Regarding the SmartEdu system explain the three levels of the DBMS Three-Schema (4 Marks)

c) How Two types of Data Independence has been achieved in the above Scenario, Explain with proper justification. (3 Marks)

d) Identify the Super key, Candidate key and alternate key from student table and explain the necessity of PK and FK for above Scenario (4 Marks)