Saveetha School of Engineering
Saveetha Institute of Medical and Technical Sciences
Department of Computer Science Engineering

Class Test-5

Course Code: CSA05	Course Name: Database Management Systems
Date: 18.12.2024	Max. Marks: 20

Sl. No	Question	Marks	CO	Blooms Level
1.	Write the query for the following questions: library management system: (i) How can you add a new column PublicationYear to the Books table to store the year a book was published? (ii) How can you change the data type of the Email column in the Members table to store longer email addresses? (iii) How can you remove the BookSummary column from the Books table if it's no longer needed? (iv) How can you ensure that the BookID column in the Books table is explicitly defined as the primary key (if it's not already defined during table creation)? (v) How can you add a foreign key constraint to the Transactions table to reference the MemberID column in the Members table? (vi) How can you remove a foreign key constraint from the Transactions table that references the BookID column in the Books table? (vii) How can you rename the Transactions table to BookTransactions? (viii) How can you drop the BookReviews table if it's no longer needed? (ix) How can you create an index on the Title column in the Books table to improve search performance? (x) How can you drop the index on the Title column in the Books table if it's no longer needed?	10	CO1	BL3

2.	Create an E-R diagram for this e-commerce platform? Describe the entities, their attributes, and the relationships between them. Include cardinalities and any important constraints. Provide a high-level E-R diagram that illustrates these components.			