

SVKM's Narsee Monjee College of Commerce & Economics

Program: B. Com		Semester : I	
Course : Database Management Systems		Course Code:	
Credits	Evaluation Scheme: 75 marks		
2	Continuous Assessment (CA): 25 % (25 marks) Component 1: Machine Test.... 20 marks Component 2: Journal & Viva....05 marks		End Semester Examination: 75 % (75marks)
Pre-requisite 1. Skill of using a computer			
Objectives: 1. To prepare and equip students in areas of Database Management(Mysql)			
Outcomes: After completion of the course, students would be able to: 1. Learners will attain the ability to apply the knowledge of computing to appropriate disciplines 2. Apply logical skills to programming in a variety of languages			
Detailed Syllabus: (unit wise)			
Unit	Description	Duration	
1	Database and Mysql Mysql Basics: data types: Char, Varchar, Text, medium text,, long text, Smallint, Bigint, Boolean, Decimal, Float, Double, Date, Date Time, Statements : 1. Schema Statements: Create Table , Alter table (Add, modify,change,delete) Renaming Table , Deleting Table 2.Data statements: inserting data, Updating data, deleting data 3. Transaction statements: simple transaction illustrating START, COMMIT, and Rollback. Data expressions, Built-in-functions – lower,upper,reverse,length,day,month, year ,dayname, monthname,abs, pow,mod,round,sqrt drop : table, column statements .	8	
2	Database and MySql MySql simple queries: Select statement (from, where,group by , having, order by ,Limit, Distinct, Filtering data by using conditions . Simple and complex conditions using logical, arithmetic and relational operators(=,!, =,<,>,<>,AND,OR,NOT,LIKE) Aggregate Functions – count, sum, avg, max,min Multi table queries: Simple joins (INNER JOIN),SQL, considerations for multi table queries(table aliases, qualified column names, all column selection Nested queries : sub queries in the having clause	7	

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<p>Details of Internal Continuous Assessment (ICA)</p> <p>Machine Test Marks : 16 Journal: 04 Machine Test is 1 Hour test carrying 2 compulsory question from unit 2,3 and 4. Journal contains the programs carried out through out the semester.</p> <p>Term End Examination Question Paper Pattern Total Marks: 30 Q1 Answer any two out of the following Three questions 7.5*2=15 Q2 Answer any two out of the following Three questions 7.5*2=15</p>	
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Prepared by:

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(Principal)