

SUBJECT CODE : P8MBA4ED5

ELECTIVE COURSE – V : RELATIONAL DATABASE SYSTEM MANAGEMENT

Note : The course is aimed at providing skills on developing and implementing applications in RDBMS.

UNIT I INTRODUCTION TO RDBMS AND ORACLE

Basic concepts of Relational Data Model – Introduction to SQL – Normalization. Creating tables – data types – data functions – conservation and transformation functions – queries and subqueries.

UNIT II ADVANCED CONCEPTS OF ORACLE

Changing data – advanced use of functions and variables – creating, dropping, altering tables and views – SQL plus –accessing remote data – building reports – authority allocation – triggers and procedures. Data dictionary – design and performance issues.

UNIT III INTRODUCTION TO VISUAL BASIC

Introduction to basics – variable and values – drawing on the screen – building programs – adding menu bar – using array variable – building clock programs.

UNIT IV BUILDING LARGER PROGRAMS

Designing and building larger programs – address – book interfacing – working with multiple records – searching, printing, sorting and deleting – data management and control tool box for controls, forms, drawing fonts, and miscellaneous.

UNIT V PROJECT DEVELOPMENT

Selection of a Client / Server based application – design the project and tools – development using Oracle and Visual Basic – demo and review.

Text Books:

1. George Koch & Kevin Loney, “ORACLE The complete reference”, TMH, New Delhi.
2. John Socha and Devra, ‘Visual Basic’, Prentice Hall, BPB, New Delhi.