

IT APPLICATION
CLASS–XII
ELECTIVE
DATABASE MANAGEMENT APPLICATIONS (795)
THEORY

Time: 2.5 Hours

Marks: 50

Unit Code	Unit Title	Total Hours	Total Marks
ITDC–401	Database Concepts – RDBMS Tool. Basics of RDBMS. SQL – Creating and Opening Database. Creating and populating tables. Modifying the content and structure of table. Ordering and Grouping. Operating with multiple tables.	50	10
ITDC–402	Operating Web Based Applications. Online Reservation Systems. E-Governance. Online Shopping and Bill payments. Online Tutorials and Tests. Project Management – Web Based Application development. Project essentials and tips. Case Study - Online Game. Case Study - Online Quiz. Case Study – Online Bill Calculator.	30	15
ITDC–403	Fundamentals of Java programming, Introduction to Java, Object Oriented Programming, Java Language Elements, Operators, Control Flow, Array, Class Design, Exception Handling, Assertions, Threads , Wrapper Classes, String Manipulation.	30	15
ITDC–404	Work Integrated Learning IT – DMA. Identification of Work Areas. Work Experience.	14	10
		124	50

PRACTICAL

Time: 2.5 Hours

Marks: 50

Details	Marks Distribution
Programs / Practical Questions. SQL Queries (15 Marks). JAVA Programs (10 Marks). Operating Web Based Application (5 Marks).	30
Project / Practical File	10
Viva Voce	10
Total	50

**CLASS–XII
ELECTIVE
WEB APPLICATIONS (796)
THEORY**

Time: 2.5 Hours

Marks: 50

Unit Code	Unit Title	Total Hours	Total Marks
ITDC–410	Movie Editing Tools. Familiarization of interface components. Importing pictures. Importing Audio and Video Files. Splitting and Joining Movie Clips. Adding Titles and publishing.	30	10
ITDC–411	Customizing and Embedding Multimedia components in Web Pages. Compatible Multimedia file formats for Web Pages. Embedding Audio file. Embedding Video file. Embedding Flash file.	40	15
ITDC–412	Web Scripting – Java Script. Java Script review. Functions – user defined. String Object. Math Object. Array Object. Events. Case Studies.	30	15
ITDC–413	Work Integrated Learning IT – WA-II. Advanced Features of Web Design. Code view, Add-ins / Snippets and Page Transitions. Dynamic Web templates. SEO - Search Engine Optimization. Forms - Advanced. Publishing webpages or websites-I. Publishing webpages or websites-II.	24	10

	Authoring tools. CSS templates.		
		124	50

PRACTICAL

Time: 2.5 Hours

Marks: 50

Details	Marks Distribution
Programs / Practical Questions.	30
Movie Editing Tools (15 Marks).	
Customizing and Embedding, Multimedia Components in Web Pages (10 Marks).	
Web Scripting - Java Script (5 Marks).	
Project / Practical File	10
Viva Voce	10
Total	50

CLASS–XII

GENERAL FOUNDATION COURSE (501)

(Common for Engineering & Technology Based Courses)

LIST OF RECOMMENDED BOOKS

1. Information Technology (IT) Student Handbook for level I, Published by CBSE.
2. IT Tools, Student Handbook, Level–III by CBSE.
3. Web Application–I, Student Handbook, Level–III by CBSE.
4. Database Management Application, Level–IV by CBSE.
5. Web Application–II, Student Handbook, Level–IV by CBSE.

