

Information Technology (802) Annual & Weekly Syllabus Split-Up - 2025-26

Grade XII

S.No	Month	No. of Working Days	No. of Days	Topic	Sub Topic	Resources	Activity/Practical	Mid April Test	Periodic Test 1	Pre Mid Term	Mid Term	Periodic Test 2/ Pre Board	Post Midterm	Annual
1	March		Week 1	Introduction to Database Concepts	What is data, Need for a Database,	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Characteristics and Types of DBMS							
			Week 2	Introduction to Database Concepts	Key Constraints	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Advantages and Limitations of database							
			Week 3	Working with SQL	Introduction, Scenario 1	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Structured Query Language : select, Insert, Update, Create, Delete, Drop							
			Week 4	Working with SQL	Scenario 2, Scenario 3, Self Referencing tables	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 5	Working with SQL	Drop table, Alter Table, Drop a column	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
2	APRIL	23	Week 1	Working with SQL	Dropping a foreign key, Dropping primary key constraint, Update command	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 2	Revision		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
			Week 3	Mid April Test	15 April to 22 April 2025			Introduction to Database, Working with SQL						
			Week 4	Communication Skills	Communication, Active Listening, Stages of Active Listening, Interview Skills, Parts of Speech	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstration of the key aspects of becoming active listener							
			Week 5	Communication Skills	Using capitals, Punctuation marks, Writing Skills, Types of sentences	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstration and practice of writing sentences and paragraphs on topics related to the subjects							
3	JUNE	19	Week 1											
			Week 2	Operating Web Based Applications	Introduction, Advantages of Online Reservation Systems	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Online Reservation System,							
			Week 3	Operating Web Based Applications	Key E-Governance Sites in India, Online Courses Tutorials and Tests	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Online shopping and Bill payments							
			Week 4	Operating Web Based Applications	Design Phase, Implementation Phase, Testing Phase	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Online educational Sites							
			Week 5	Revision		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos								
4	JULY	27	Week 1	Periodic Test 1	30 June to 7 July 2025				Comm Skills, Operating Web based Appl					
			Week 2	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Group discussion on identifying needs and desire							
			Week 3	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	demonstrate the knowledge of different personality types							
			Week 4	ICT Skills	Introduction, Starting OpenOffice Calc, Filter and Sorting	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Demonstrate and practice on the following : Spreadsheet application,							
			Week 5	ICT Skills	Presentation, Software packages for Presentation, Font Change of Text	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Explaining the features of presentation, printing a presentation document							
5	AUGUST	23	Week 1	Pre Mid Term Exam	1 Aug to 8 Aug 2025					Self Mgmt, ICT Skills, Working with SQL				
			Week 2	Java Programming with Net Beans	Introduction, Control Flow, Exercises	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Data types and variables, operators							
			Week 3	Java Programming with Net Beans	Arrays, object Oriented Programming, Database Connectivity	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Control flow and arrays							
			Week 4	Java Programming with Net Beans	Assertions, Thread, Wrapper Classes	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	Class design and Java Library							

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