

## Annual &amp; Weekly Syllabus Split-Up - 2026-27

## Grade XII IT

## Subject: IT

S.No	Month	No. of Working Days	No. of Days	Topic	Sub Topic	Teaching Aids/Resources	Classroom teaching Video Link	Activities/ practical	Art Integrated project	Pedagogy Process/Teaching Strategy	Chapterwise Notes link	Assessment		
1	APRIL	25	Week 1	4	Introduction to dbms and Working with SQL	Intro to dbms, 3 scenarios, Dropping a foreign key, Dropping primary key constraint, Update command, all key constraints. Select command uses	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	<a href="https://youtu.be/yE6tIle64tU?si=7r35p1VwW9W1I-Xk">https://youtu.be/yE6tIle64tU?si=7r35p1VwW9W1I-Xk</a>	Characteristics and Types of DBMS	ER Diagram Poster: Use basic geometric shapes (rectangles, ovals, diamonds) and colored markers to draw an Entity-Relationship diagram for a school or library database.	Live Debugging & 'Spot the Error': Write SQL commands with deliberate syntax errors on the board/projector and have students race to debug them.	<a href="https://drive.google.com/file/d/1oydtAYJh87DrzILRZ9-gKDPvoXCzVSOB/view?usp=drive_link">https://drive.google.com/file/d/1oydtAYJh87DrzILRZ9-gKDPvoXCzVSOB/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 2	6	Revision		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos		Advantages and Limitations of database	Poster/ Sketch of Renowned person/ Chapter related flowchart and diagrams	Practicals, Learning through PPTs, extra q/ans, Real life example teaching, etc.	<a href="https://drive.google.com/file/d/1IA2VG_HdYQL4KVRQ1aqWoHTiQ1x1qX08/view?usp=drive_link">https://drive.google.com/file/d/1IA2VG_HdYQL4KVRQ1aqWoHTiQ1x1qX08/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 3	5	Mid April Test		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos		Structured Query Language : select, Insert, Update, Create, Delete, Drop	Poster/ Sketch of Renowned person/ Chapter related flowchart and diagrams	Practicals, Learning through PPTs, extra q/ans, Real life example teaching, etc.			GD/ Oral assesment/ Extra quesn
			Week 4	6	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	<a href="https://youtu.be/jXjmk0oif7w?si=Yem6FwglbmMgSlfS">https://youtu.be/jXjmk0oif7w?si=Yem6FwglbmMgSlfS</a>	Demonstration of the key aspects of becoming active listener	Active Listening Comic Strip: Draw a 3-panel comic illustrating a good vs. bad example of active listening during a job interview.	Mock Interviews & Peer Feedback: Students pair up for 2-minute rapid-fire interviews, focusing purely on non-verbal cues and active listening.	<a href="https://drive.google.com/file/d/1D-9DnVtH8dUEU3flz99tbVFr4eWwNZw/view?usp=drive_link">https://drive.google.com/file/d/1D-9DnVtH8dUEU3flz99tbVFr4eWwNZw/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 5	4	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	Active Listening Comic Strip: Draw a 3-panel comic illustrating a good vs. bad example of active listening during a job interview.	Mock Interviews & Peer Feedback: Students pair up for 2-minute rapid-fire interviews, focusing purely on non-verbal cues and active listening.			GD/ Oral assesment/ Extra quesn
2	JUNE	20	Week 1	0			Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos			Poster/ Sketch of Renowned person/ Chapter related flowchart and diagrams	Practicals, Learning through PPTs, extra q/ans, Real life example teaching, etc.		GD/ Oral assesment/ Extra quesn	
			Week 2	6	Operating Web Based Applications	Introduction, Advantages of Online Reservation Systems	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	<a href="https://youtu.be/b9zZDeqPdiQ?si=m8pHh_LZwH0HXqb">https://youtu.be/b9zZDeqPdiQ?si=m8pHh_LZwH0HXqb</a>	Online Reservation System.	Paper Prototyping (Wireframes): Hand-sketch the layout/UI screens of a theoretical online reservation system on A4 sheets (buttons, menus, forms).	Live Case Study Demo: Walk through real portals (like IRCTC or e-Governance sites) live on the projector, discussing backend processes.	<a href="https://drive.google.com/file/d/1neidgnsi8ik2TpgpQaxaUznJRfsgXq-/view?usp=drive_link">https://drive.google.com/file/d/1neidgnsi8ik2TpgpQaxaUznJRfsgXq-/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 3	6	Operating Web Based Applications	Key E-Governance Sites in India, Online Courses Tutorials and Tests			Online shopping and Bill payments	Paper Prototyping (Wireframes): Hand-sketch the layout/UI screens of a theoretical online reservation system on A4 sheets (buttons, menus, forms).	Live Case Study Demo: Walk through real portals (like IRCTC or e-Governance sites) live on the projector, discussing backend processes.			GD/ Oral assesment/ Extra quesn
			Week 4	6	Operating Web Based Applications	Design Phase, Implementation Phase, Testing Phase	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos		Online educational Sites	Paper Prototyping (Wireframes): Hand-sketch the layout/UI screens of a theoretical online reservation system on A4 sheets (buttons, menus, forms).	Live Case Study Demo: Walk through real portals (like IRCTC or e-Governance sites) live on the projector, discussing backend processes.			GD/ Oral assesment/ Extra quesn
			Week 5	2	Revision		Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos			Poster/ Sketch of Renowned person/ Chapter related flowchart and diagrams	Practicals, Learning through PPTs, extra q/ans, Real life example teaching, etc.			GD/ Oral assesment/ Extra quesn
3	JULY	27	Week 1	4	Periodic Test 1				Poster/ Sketch of Renowned person/ Chapter related flowchart and diagrams	Practicals, Learning through PPTs, extra q/ans, Real life example teaching, etc.		GD/ Oral assesment/ Extra quesn		
			Week 2	6	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	<a href="https://youtu.be/bNGU4qgg0SY?si=KMezXtlmvBR3s8d7">https://youtu.be/bNGU4qgg0SY?si=KMezXtlmvBR3s8d7</a>	Group discussion on identifying needs and desire	Personality Vision Board: Create a collage using magazine cutouts or drawings that represent the student's intrinsic motivations and personality type.	Reflective Quizzes & Discussion: Have students take a short, fun personality/motivation quiz and do a 'Think-Pair-Share' on the results.	<a href="https://drive.google.com/file/d/1vtSFoIPG620Aq4Cx1RPyISLic2Lrk4mf/view?usp=drive_link">https://drive.google.com/file/d/1vtSFoIPG620Aq4Cx1RPyISLic2Lrk4mf/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 3	6	Self management Skills	Motivation	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos		demonstrate the knowledge of different personality types	Personality Vision Board: Create a collage using magazine cutouts or drawings that represent the student's intrinsic motivations and personality type.	Reflective Quizzes & Discussion: Have students take a short, fun personality/motivation quiz and do a 'Think-Pair-Share' on the results.			GD/ Oral assesment/ Extra quesn
			Week 4	6	ICT Skills	Introduction, Starting OpenOffice Calc, Filter and Sorting	Text Book, E-Book, Practice Worksheet, Synopsis(Summary), Comp Lab, Videos	<a href="https://www.youtube.com/live/1NjrtMEB748?si=_8xMVTI13fOPxo-">https://www.youtube.com/live/1NjrtMEB748?si=_8xMVTI13fOPxo-</a>	Demonstrate and practice on the following : Spreadsheet application, sorting and filtering the data, Listing the software packages for presentation	Shortcut Key Infographic: Design a visually appealing 'Cheat Sheet' poster for OpenOffice Calc sorting/filtering shortcuts.	The 'Teach-Back' Method: Assign small groups a specific software feature (like applying filters) to master and demonstrate to the class.	<a href="https://drive.google.com/file/d/1rFeHGAEifgLqUbN-OETy89_LT09yua0W/view?usp=drive_link">https://drive.google.com/file/d/1rFeHGAEifgLqUbN-OETy89_LT09yua0W/view?usp=drive_link</a>	GD/ Oral assesment/ Extra quesn	
			Week 5	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	Shortcut Key Infographic: Design a visually appealing 'Cheat Sheet' poster for OpenOffice Calc sorting/filtering shortcuts.	The 'Teach-Back' Method: Assign small groups a specific software feature (like applying filters) to master and demonstrate to the class.			GD/ Oral assesment/ Extra quesn



