

**The Orchid School
Baner
Weekly Syllabus Overview 2015- 2016
Std : XII
Subject : Informatics Practices**

Month	Week	Lesson / Topic	Expected Learning Objective	Activities/ FAs Planned	Remark
March	1 23rd to 28th	Chapter 1 - Computer Networking	To learn about Networking goals, Applications & terminology of computer networking.	Group Discussion on Computer Networking in class.	
APRIL	1	Chapter 1 - Computer Networking	Brief about Networking Terminology, omain Name resolution & Network Topologies	Presentation on Network Topologies	
	2	Chapter 1 - Computer Networking	Types of Networks , Transmission Media, Network Devices & Security	Worksheet on Computer Networking is given to students to check their understanding of the topic.	
	3	Chapter 9 - Web Application Development	Discover about Web Browser & Server. Knowing about client server technology.	Internet research on Client Server Technology.	
	4	Chapter 10 - HTML I : Basic HTML Elements	Learn different formatting tags of HTML like Font, Paragraph, HR, Heading, BR etc	Lab practical work	
MAY	1 18th to 22nd	Chapter 11- HTML - II : Lists, Tables & Forms Sub Topic: Lists, Tables	Know the tags to insert Lists, Tables in a web page.	Lab practical assignments	
	2 25th to 30th	Chapter 11 - HTML - II : Lists, Tables & Forms Sub Topic: Forms & Website Designing Project	To design a form using HTML tag in a web page.	Project on website designing using HTML	
JUNE	1	Chapter 12 - XML	Features of XML, XML Vs HTML, Logical structure of XML document & advantages of XML.	Lab assignment on style sheets & xml	
	2	Chapter 2 - Open Source Concepts	Types of standards, Common open Standard formats, Indian language Computing	Chart/Presentation on types of open standards.	
	3	Revision for UT1			
	4	Revision			
UT 1					
JULY	1	Java GUI Programming Revision Tour - I	To make students learn about the basics of JAVA, and java GUI toolkit. To understand about the object naming conventions, components, events and working with labels	Small assignments on flow of control	
	2	Java GUI Programming Revision Tour - I	Creating a project in Netbeans GUI Builder, To have introduction of programming elements, constructs and statements. To grasp the concept of loops in java, along with jump statements.	Comparative study of different types of Looping Structures	
	3	Java GUI Programming Revision Tour - II	To understand swing components, working with containers, swing components like Label, Textbox, Scroll Pane etc.	Lab Assignments on Swing controls like Label, Scroll Pane, Text Field, Password Field	

	4	Java GUI Programming Revision Tour - II	To learn about Event Handling in Java	Lab Assignments on Event Handlers	
	5	Java GUI Programming Revision Tour - II	Elaborate more about the Swing controls used in java like Text Area, Check Boxes, Radio Buttons, Lists etc	Lab Assignments on Swing controls like Text Area, Check Boxes, Radio Buttons	
AUG	1	Java GUI Programming Revision Tour - III	To know about object Oriented Programming using classes & Objects	Lab Assignments on Swing controls like Text Area, Check Boxes, Radio Buttons	
	2	Java GUI Programming Revision Tour - III	Learn about types of members used in class, the invoking methods of the class.		
	3	More About Classes & Libraries	Learn about String & Math Library Functions in Java	Lab assignments on String Functions & Math Functions	
	4	Concept of Inheritance	Knowing the concept of Inheritance, its need & types.	Lab assignments on Class Inheritance	
SEPT	1	IP Practical Exam	Solving HOTS Questions & IP Practical Exam & Viva		
	2	Revision		Solving Last year board papers	
	3	Revision		Worksheets on Term1 portion	
	4	Term 1 Exam			
	5	Term 1 Exam			
Term 1 Exam					
OCT	1	My SQL Revision Tour	To discover a brief history about My SQL, processing capabilities of SQL, DDL, Classification of SQL statements.	Query writing Practice	
	2	My SQL Revision Tour	To make students learn about different database models	Executing simple queries in Lab	
	3	My SQL Revision Tour	Tables with SQL Constraints	Queries on different constraints.	
	4	Database Transactions	Introduction to Database transactions like Create, Delete, User creation etc	Lab assignments on different Data manipulation queries	
NOV	1 2nd to 4th	Database Transactions	Learn Transaction Control Commands	Worksheet on different queries	
	2 16th to 21st	More On SQL- Grouping Records & Table Joins	Learn about group functions	Executing different MySQL Functions in Lab	
	3 23rd to 28th	More On SQL- Grouping Records & Table Joins	Learn about table joins & execute queries on joins	Executing queries on joins	

DEC	1	Tables & Integrity Constraints	Learn about Integrity constraint. Creating or altering table with constraints	Executing constraint queries in lab	
	2	Tables & Integrity Constraints	Enabling, Disabling constraints & dropping tables.	Executing constraint queries in lab	
	3	Database Connectivity to MySQL & Project	Connecting to MySQL from Java	Guidance from Mr. Vivek Bhide	
	4	Database Connectivity to MySQL & Project	Project on Java as frontend & MySql as back end	Overview of real time project	
UT 2					
JAN	1	IT Applications	IT Applications in E-Governance, E-Business, E-Learning. Know about impact of ICT on society	Group Discussion about ICT impact	
	2	IT Applications	Developing database for an application. Front-end & Database Connectivity.	Overview of real time project	
	3	Revision & Project	Real time project development	Guidance from Mr. Vivek Bhide	
	4	Revision & Project	Real time project development	Building a simple application in Java & MySql	
FEB	1	Total syllabus revision & Prelims		Building a simple application in Java & MySql	
	2	Total syllabus revision & Prelims		Building a simple application in Java & MySql	
	3	Total syllabus revision & Prelims		Worksheets covering full syllabus	
Final Exam					