

**MONTHLY SYLLABUS**  
**SESSION-2016-17**  
**CLASS XII**  
**SUBJECT : INFORMATION TECHNOLOGY (795)**  
**(DATA MANAGEMENT APPLICATION)**  
**THEORY : 50 / PRACTICAL : 50**

<b>MONTH</b>	<b>CONTENTS</b>
April 2016	<p style="text-align: center;"><b>THEORY</b></p> <p><b>DATABASE CONCEPT-RDBMS TOOLS</b></p> <ol style="list-style-type: none"> <li>1. Basics Of RDBMS</li> <li>2. SQL- Creating and Opening Databases</li> <li>3. Creating and Populating Tables</li> <li>4. Modifying the Content and Structure Of Table</li> <li>5. Ordering and Grouping</li> </ol> <p style="text-align: center;"><b>PRACTICAL</b></p> <p><b>DATABASE CONCEPT-RDBMS TOOLS</b></p> <ol style="list-style-type: none"> <li>1. Basics Of RDBMS</li> <li>2. SQL- Creating And Opening Databases</li> <li>3. Creating And Populating Tables</li> <li>4. Modifying The Content And Structure Of Table</li> <li>5. Ordering And Grouping</li> </ol>
May 2016	<p style="text-align: center;"><b>THEORY</b></p> <ol style="list-style-type: none"> <li>1. Operating With Multiple Tables</li> </ol> <p>From 11 may 2016 to 30 June 2016</p> <p style="text-align: center;"><b>PRACTICAL</b></p> <ol style="list-style-type: none"> <li>1. Operating With Multiple Tables “on the job training” program</li> </ol>

July 2016	<p style="text-align: center;"><b>THEORY</b></p> <p><b>OPERATING WEB BASED APPLICATIONS</b></p> <ol style="list-style-type: none"> <li>1. On-line Reservation Systems</li> <li>2. E-Governance</li> <li>3. On-line Shopping And Bill Payments</li> <li>4. On-line Tutorials And Tests</li> </ol> <p style="text-align: center;"><b>PRACTICAL</b></p> <p><b>OPERATING WEB BASED APPLICATIONS</b></p> <ol style="list-style-type: none"> <li>1. On-line Reservation Systems</li> <li>2. E-Governance</li> <li>3. On-line Shopping And Bill Payments</li> <li>4. On-line Tutorials And Tests</li> </ol>
August 2016	<p style="text-align: center;"><b>THEORY</b></p> <p>Project management (web based application development)</p> <p>Project essentials and tips</p> <p>Case study-</p> <p>(online game, online quiz, bills calculator)</p> <p style="text-align: center;"><b>PRACTICAL</b></p> <p>Project management (web based application development)</p> <p>Project essentials and tips</p> <p>Case study-</p> <p>(online game, online quiz, bills calculator)</p>
September 2016	<p>1/09/2016 to 7/09/2016 REVISION</p> <p>8/09/2016 to 22/09/2016 SA-I Exam</p>

	23/09/2016 to 30/09/2016 Discussion and revision SA-I Question Paper
October 2016	<p style="text-align: center;"><b>THEORY</b></p> <p><b>FUNDAMENTALS OF JAVA PROGRAMMING</b></p> <ol style="list-style-type: none"> <li>1. Introduction Of Java</li> <li>2. Object Oriented Programming</li> <li>3. Java Language Elements</li> <li>4. Operators <ol style="list-style-type: none"> <li>a) Control Flow</li> <li>b) Array</li> <li>c) Class Design</li> <li>d) Threads</li> <li>e) Exceptions Handling Assertion</li> <li>f) Wrappers Class</li> <li>g) String Manipulation</li> </ol> </li> </ol> <p style="text-align: center;"><b>PRACTICAL</b></p> <p><b>FUNDAMENTALS OF JAVA PROGRAMMING</b></p> <ol style="list-style-type: none"> <li>1. Introduction Of Java</li> <li>2. Object Oriented Programming</li> <li>3. Java Language Elements</li> <li>4. Operators <ol style="list-style-type: none"> <li>a) Control Flow</li> <li>b) Array</li> <li>c) Class Design</li> <li>d) Threads</li> </ol> </li> </ol>

	<p>e) Exceptions Handling Assertion</p> <p>f) Wrappers Class</p> <p>g) String Manipulation</p>
November 2016	<p style="text-align: center;"><b>THEORY</b></p> <p><b>WORK INTEGRATED LEARNING IT -WA-I</b></p> <p>1. IDENTIFICATION OF WORK AREAS</p> <p>2. WORK EXPERIENCE</p> <ul style="list-style-type: none"> <li>• END USER DEVELOPMENT</li> <li>• PROJECT MANAGEMENT</li> </ul> <p style="text-align: center;"><b>PRACTICAL</b></p> <p>Related to Java</p>
December to March	<ul style="list-style-type: none"> <li>• 01/12/2016 TO 07/12/20 16 - REVISION</li> <li>• 08/12/2016 TO 19/12/2016 - MOCK TEST</li> <li>• 20/12/2016 TO 30/12/2016 - BLOCK TEACHING</li> <li>• 31/12/2016 TO 15/01/2017 – “ON THE JOB TRAINING” PROGRAM</li> <li>• 16/01/2017 TO 31/01/ 2017 – PRE-BOARD EXAM</li> <li>• 01/02/2017 TO 15/02/2017 - ANNUAL PRACTICAL EXAM AND DISCUSSION OF PRE BOARD QUESTION PAPER</li> <li>• 16/02/2017 TO 28/02/2017 - REVISION THEORY</li> </ul>
March 2017	<b>Board Examinations</b>