**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Session Odd Semester**

**(2017-18)**

**Class: B.A/B.Sc. (IT) 3rd yr Name of the Teacher: MANISHA**

**Subject: Database System and VB.NET Period: 7TH**

**Paper: A Room No.103**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | Aug 8, 2017 | Aug 12, 2017 | | UNIT - III  5. Introduction to RDBMS: Approaches to Data Management, Database management. Introduction to DBMS. |
| Week 2 | Aug 14, 2017 | Aug 19, 2017 | | The 12 Rules (Codd’sRule) for an RDBMS, Relational Database Management System |
| Week 3 | Aug 21, 2017 | Aug 26, 2017 | | 6.Introduction to SQL :  Data Types, Querying database tables, Conditional retrieval of rows, Working with Null Values, |
| Week 4 | Aug 28, 2017 | Sept 2, 2017 | | 7.Collating Information: Equi Joins, Cartesian Joins, Outer Joins, Self Joins |
| Week 5 | Sept 4, 2017 | Sept 9, 2017 | | SET Operators: Union, Intersect, Minus; Nested Queries.. |
| Week 6 | Sept 11, 2017 | Sept 16, 2017 | | 8. Functions: Column Functions: Arithmetic Functions, Character Functions |
| Week 7 | Sept 18, 2017 | Sept 23, 2017 | | UNIT - IV  9.Data Manipulation and Control-I  Data Definition Language (DLL) |
| Week 8 | Sept 25, 2017 | Sept 29, 2017 | | 10. Data Manipulation and Control-II |
| **Autumn Break (30 Sept 2017- 09 Oct 2017)**  **Mid Semester Exam (10 Oct 2017 – 17 Oct 2017)** | | | | |
| Week 9 | Oct 18, 2017 | | Oct 21, 2017 | 11. PL/SQL-I  Introduction to PL/SQL,  12.PL/SQL-II  Cursor Management in PL/SQL,  Exception Handling in PL/SQL. |
| Week 10 | Oct 23, 2017 | | Oct 28, 2017 | UNIT - I  **1. Overview of the visual Studio .NET IDE:** Menu Bar and Tool Bar, Solution Explorer, Toolbox, Properties, Displaying and printing Text, Displaying Image, Arithmetic, relational |
| Week 11 | Oct 30, 2017 | | Nov 4, 2017 | 2. **Procedures :** Introduction, Modules, classes, sub Procedures, function procedures, passing arguments (pass by value Vs pass by reference), Recursion: factorial, Fibonacci series |
| Week 12 | Nov 6, 2017 | | Nov 11, 2017 | UNIT - II  3. **Arrays and Strings:** declaring and allocating Arrays, Sort, searching Arrays using Linear Search, Binary Search, String  Functions |
| Week 13 | Nov 13, 2017 | | Nov 18, 2017 | 4. **Accessing Data with ADO.NET:** Understanding ADO.net Object model,  Architecture, and components, Database, . |
| Week 14 | Nov 20, 2017 | | Nov 25, 2017 | Creating Applications which can Insert, Delete, and Update information from a database using SQL statements |
| Week 15 | Nov 27, 2017 | | Dec 1, 2017 | data using DataGridView control REVISION,PRACTICAL EXAMPLES |