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

**Teaching Plan Session Odd Semester**

**(2018-19)**

**Class: B.A/B.Sc. (IT) 5TH SEM Name of the Teacher: MANISHA**

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

**Paper: A Room No : 106**

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| **S. No** | **Date From** | | **Date Upto** | **Topics to be covered** |
| Week 1 | **(For ongoing classes)** | | | UNIT - III  5. Introduction to RDBMS: Approaches to Data Management, Database management. Introduction to DBMS. |
| August 1, 2018 | | August 4, 2018 |
| Week 2 | August 6,2018 | August 11, 2018 | | The 12 Rules (Codd’sRule) for an RDBMS, Relational Database Management System |
| Week 3 | August 13, 2018 | August 18, 2018 | | 6.Introduction to SQL :  Data Types, Querying database tables, Conditional retrieval of rows, Working with Null Values, |
| Week 4 | August 20, 2018 | August 25, 2018 | | 7.Collating Information: Equi Joins, Cartesian Joins, Outer Joins, Self Joins |
| Week 5 | August 27, 2018 | September 1,2018 | | SET Operators: Union, Intersect, Minus; Nested Queries. |
| Week 6 | September 3, 2018 | September 8, 2018 | | 8. Functions: Column Functions: Arithmetic Functions, Character Functions |
| Week 7 | September 10, 2018 | September 15, 2018 | | UNIT - IV  9.Data Manipulation and Control-I  Data Definition Language (DLL) |
| Week 8 | September 17, 2018 | September 22, 2018 | | 10. Data Manipulation and Control-II |
| Week 9 | September 24, 2018 | September 29, 2018 | | 11. PL/SQL-I  Introduction to PL/SQL, |
| Week 10 | October 1, 2018 | October 8, 2018 | | 12.PL/SQL-II  Cursor Management in PL/SQL,  Exception Handling in PL/SQL |
| **MID SEMESTER EXAMINATION (October 11, 2018 to October 17, 2018)** | | | | |
| Week 11 | October 20, 2018 | October 27, 2018 | | 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 12 | October 29, 2018 | November 3, 2018 | | 2. **Procedures :** Introduction, Modules, classes, sub Procedures, function procedures, passing arguments (pass by value Vs pass by reference), Recursion: factorial, Fibonacci |
| Week 13 | November 5, 2018 | November 10, 2018 | | UNIT - II  3. **Arrays and Strings:** declaring and allocating Arrays, Sort, searching Arrays using Linear Search, Binary Search, String  Functions |
| Week 14 | November 12, 2018 | November 17, 2018 | | 4. **Accessing Data with ADO.NET:** Understanding ADO.net Object model,  Architecture, and components, Database, . |
| Week 15 | November 19, 2018 | November 22, 2018 | | Creating Applications which can Insert, Delete, and Update information from a database using SQL statements |
| Week 16 | November 26, 2018 | December 1, 2018 | | data using DataGridView control REVISION,PRACTICAL EXAMPLES |