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

**Teaching Plan Session Even Semester**

**(2017-18)**

**Class: MSc.IT 2nd sem. Name of the Teacher:Sarbjit Kaur**

**Subject: Advance Java and Network Programming. Period :3(3),4(4),5(5,6)**

**Paper : MS - 45 Room No : Lab 3**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | Jan 08, 2018 | Jan 13, 2018 | | Applets, Multithreading, |
| Week 2 | Jan 15, 2018 | Jan 20, 2018 | | AWT Controls |
| Week 3 | Jan 22, 2018 | Jan 27, 2018 | | ,Event Handling. |
| Week 4 | Jan 29, 2018 | Feb 3, 2018 | | Features, components, Swing vs AWT, swing containers, |
| Week 5 | Feb 5, 2018 | Feb 10, 2018 | | controls, using Dialogs, sliders, progress  bars, tables, creating user interface using swing. |
| Week 6 | Feb 12, 2018 | Feb 17, 2018 | | .Connectivity model, Java. SQL package, JDBC Exception classes,  Database connectivity, |
| Week 7 | Feb 19, 2018 | Feb 24, 2018 | | Data manipulation and navigation, Using PreparedStatement, creating database  applications |
| Week 8 | Feb 26, 2018 | Mar 03 , 2018 | | Distributed object technologies, RMI architecture, creating RMI applications |
| **2nd week March (Mid Semester Exam)** | | | | |
| Week 9 | March 12, 2018 | | March 17, 2018 | ,  Servlets vs CGI, Servlet Lifecycle, creating and running servlets |
| Week 10 | March 19 , 2018 | | March 24, 2018 | Networking basics, Client / server model, Java and the Net, TCP/IP client sockets, TCP/IP  . |
| Week 11 | March 26, 2018 | | March 31, 2018 | server sockets, Inet Address, URL, Data grams, creating networking applications |
| Week 12 | April 02, 2018 | | April 07, 2018 | Component architecture, Components, Advantages of Beans, Bean Developer kit (BDK), |
| Week 13 | April 09, 2018 | | April 14 , 2018 | JAR files, introspection, developing Beans, Using Bound properties, |
| Week 14 | April 16, 2018 | | April 21, 2018 | The Java Beans API, Introduction to  EJB (Enterprise Java Beans),Types of EJB, Uses of EJB. |
| Week 15 | April 23, 2018 | | April 28, 2018 | Introduction, JSP Architecture, JSP Elements: Implicit Objects, Comments,  Directives |
| Week 16 | April 30, 2018 | | May 05, 2018 | , Action Elements, Scripting Elements., developing simple Web Applications |