**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan (Even Semester) Session (2019-2020)**

**Class: MSc IT 2ndsem.**   **Name of the Teacher: Sarbjit kaur**

**Subject: Advance Java and Network Programming Period:7(1-4)**

**Paper: MS - 45 Room No:Lab3**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 09-01-2020 to 11-01-2020 | Applets, Multithreading, AWT Controls, Event Handling. |
| Week 2 | 13-01-2020 to 18-01-2020 | Swing**:** Features, components, Swing vs AWT, swing containers, controls |
| Week 3 | 20-01-2020 to 25-01-2020 | using Dialogs,  sliders, progress bars, tables, creating user interface using swing |
| Week 4 | 27-01-2020 to 01-02-2020 | Connectivity model, Java. SQL package, JDBC Exception  classes, |
| Week 5 | 03-02-2020 to 08-02-2020 | Database connectivity, Data manipulation and navigation, Using Prepared Statement creating database applications |
| Week 6 | 10-02-2020 to 15-02-2020 | Java RMI: Distributed object technologies, RMI architecture, creating RMI applications. |
| Week 7 | 17-02-2020 to 22-02-2020 | Servlets vs CGI, Servlet Lifecycle, creating and running servlets. |
| Week 8 | 24-02-2020 to 29-02-2020 | Networking:Networking basics, Client / server model, Java and the Net, TCP/IP client  sockets |
| Week 9 | 02-03-2020 to 05-03-2020 | , TCP/IP server sockets, Inet Address, URL, Data grams, creating networking  applications |
| Mid Semester Exams (06-03-2020 to 13-03-2020) | | |
| Week 11 | 14-03-2020, 16-03-2020 to 21-03-2020 | Component architecture, Components, |
| Week 12 | 24-03-2020 to 28-03-2020 | Advantages of Beans, Bean Developer kit  (BDK) |
| Week 13 | 30-03-2020 to 04-04-2020 | JAR files, introspection, developing Beans, |
| Week 14 | 07-04-2020 to 11-04-2020 | Using Bound properties, The Java Beans  API |
| Week 15 | 15-04-2020 to 18-04-2020 | Introduction to EJB (Enterprise Java Beans),Types of EJB, Uses of EJB |
| Week 16 | 20-04-2020 to 24-04-2020 | Introduction, JSP Architecture, JSP Elements: Implicit Objects |
| Week 17 | 27-04-2020 to 02-05-2020 | Comments, Directives, Action Elements, Scripting Elements. |
| Week 18 | 04-05-2020 | Developing simple Web Applications. |