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

**Teaching Plan Even Semester**

**Session (2018-19)**

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

**Subject: Advance Java and Network Programming. Period : 4nd (1-2)**

**Paper : MS - 45 Room No : 202**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | Applets, Multithreading, AWT Controls, Event Handling. |
| Week 2 | 21/01/2019 –  25/01/2019 | Swing**:** Features, components, Swing vs AWT, swing containers, controls |
| Week 3 | 28/01/2019 –  2/02/2019 | using Dialogs,  sliders, progress bars, tables, creating user interface using swing |
| Week 4 | 4/02/2019 –  9/02/2019 | Connectivity model, Java. SQL package, JDBC Exception  classes, |
| Week 5 | 11/02/2019 –  16/02/2019 | Database connectivity, Data manipulation and navigation, Using Prepared Statement creating database applications |
| Week 6 | 18/02/2019 –  23/02/2019 | Java RMI:Distributed object technologies, RMI architecture, creating RMI applications. |
| Week 7 | 25/02/2019 –  02/03/2019 | Servlets vs CGI, Servlet Lifecycle, creating and running servlets. |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | Networking:Networking basics, Client / server model, Java and the Net, TCP/IP client  sockets |
| Week 9 | 18 /03/2019 –  22/03/2019 | , TCP/IP server sockets, Inet Address, URL, Data grams, creating networking  applications |
| Week 10 | 25/03/2019 –  30/03/2019 | Component architecture, Components, Advantages of Beans, Bean Developer kit  (BDK) |
| Week 11 | 1/04/2019 –  6/04/2019 | JAR files, introspection, developing Beans, Using Bound properties, The Java Beans  API |
| Week 12 | 8/04/2019 –  12/04/2019 | Introduction to EJB (Enterprise Java Beans),Types of EJB, Uses of EJB |
| Week 13 | 15/04/2019 –  20/04/2019 | Introduction, JSP Architecture, JSP Elements: Implicit Objects |
| Week 14 | 22/04/2019 –  27/04/2019 | Comments, Directives, Action Elements, Scripting Elements. |
| Week 15 | 29 /04/2019 –  3/05/2019 | Developing simple Web Applications. |