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

**Teaching Plan Session Even Semester**

**(2017-18)**

**Class: PGDCA Name of the Teacher:Sarbjit Kaur**

**Subject:** Object Oriented Concepts Using JAVA **Period :6(1-4)**

**Paper : PGD-2101 Room No : 101**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | Jan 08, 2018 | Jan 13, 2018 | | Basic Concepts of Object-Oriented Programming (Objects and  Classes, Data abstraction and encapsulation, Inheritance, Polymorphism, Dynamic  binding, Message communication), |
| Week 2 | Jan 15, 2018 | Jan 20, 2018 | | difference between procedure oriented and object  oriented approach, Benefits of OOP’s; |
| Week 3 | Jan 22, 2018 | Jan 27, 2018 | | Applications of OOP’s, Object-Oriented  languages. |
| Week 4 | Jan 29, 2018 | Feb 3, 2018 | | Byte code, Java virtual machine, Java  Development Kit, java tokens, constants, variables, |
| Week 5 | Feb 5, 2018 | Feb 10, 2018 | | data types, operators, expressions,  control structures, |
| Week 6 | Feb 12, 2018 | Feb 17, 2018 | | defining class, creating objects, accessing class members, method  overloading, static members |
| Week 7 | Feb 19, 2018 | Feb 24, 2018 | | Defining a subclass, subclass constructor, multilevel inheritance,  Hirerchical inheritance. |
| Week 8 | Feb 26, 2018 | Mar 03 , 2018 | | Overriding methods, Final variables, methods, and classes,  Abstract Methods and Classes |
| **2nd week March (Mid Semester Exam)** | | | | |
| Week 9 | March 12, 2018 | | March 17, 2018 | Public access, friendly access, protected access, private access,  private protected access. One dimensional array, declaration, |
| Week 10 | March 19 , 2018 | | March 24, 2018 | creation and initialization of arrays,  Array length, Two dimensional array |
| Week 11 | March 26, 2018 | | March 31, 2018 | String arrays, String methods, String Buffer class. Defining interfaces, Extending Interfaces, Implementing Interfaces.  Accessing Interface variables |
| Week 12 | April 02, 2018 | | April 07, 2018 | Java API packages, Defining a package, Creating and Accessing packages, Adding class to a package, Hiding Classes. |
| Week 13 | April 09, 2018 | | April 14 , 2018 | Creating Thread, Extending the Thread class,  Stopping and Blocking a Thread, Life cycle of a Thread. |
| Week 14 | April 16, 2018 | | April 21, 2018 | Fundamentals, error types, exception types, using  Try and catch, finally statement, Built–in exceptions |
| Week 15 | April 23, 2018 | | April 28, 2018 | Local and remote applets, Applet Life Cycle, Creating an  executable Applet, |
| Week 16 | April 30, 2018 | | May 05, 2018 | Applet tag, Adding Applet to a HTML file, Passing parameters to  Applets |