**Curriculum plan (Even Semester 2021-22)**

**Paper name: Programming in Java**

**Class type: BSc.(H) Computer Science**

**Paper shared with: NIL**

**Teacher Name: Ms Kanishka**

|  |  |  |
| --- | --- | --- |
| **Unit to be taken** | **Month wise schedule to be followed** | **Tests/Assignments/ Revision/Presentations etc** |
| 1. **Unit 1 - The History and Evolution of Java,**

**Unit 2- An Overview of Java,****Unit 3- Data Types, Variables and Arrays,****Unit 4- Operators** | **April** |  |
| 1. **Unit 5- Control Statements**

**Unit 6 - Introducing Classes****Unit 7- A Closer Look at Methods and Classes****Unit 8 – Inheritance****Unit 9 - Packages and Interfaces** | **May** | **Assignment** |
| 1. **Unit 10 - Exception Handling**

**Unit 13 - I/O, Applets and other Topics****Unit 24 - Event Handling****Unit 25 - Introducing the AWT: Working with Windows, Graphics and Text** | **June** | **Test 1****Assignment 2** |
| 1. **Unit 26 - Using AWT Controls, Layout Managers and Menus**

**Unit 31 - Introducing Swing****Unit 32 – Exploring Swing** | **July** | **Test 2** **Revision** |
|  |  |  |

**References**

1. Schildt, H. (2018). Java: The Complete Reference. 10th edition. McGraw-Hill Education.

**Additional Resources**

1. Balaguruswamy, E. (2014). Programming with JAVA: A Primer. 5th edition. India: McGraw Hill Education
2. Horstmann, C. S. (2017). Core Java - Vol. I – Fundamentals (Vol. 10). Pearson Education
3. Schildt, H., & Skrien, D. (2012). Java Fundamentals - A Comprehensive Introduction. India: McGraw Hill Education.