**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**

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| **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** |
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**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.