

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)

**MSc DEGREE EXAMINATION DECEMBER 2018**  
(Fourth Semester)

Branch -**SOFTWARE SYSTEMS**  
(Five year integrated)

**PROGRAMMING IN JAVA**

Time: Three Hours

Maximum: 75 Marks

**SECTION -A (30 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks ( 5 x 6 = 30)

- 1 a Illustrate about different kinds of Operators in Java with example.  
OR  
b Describe the usage of Nested IF - Else Statement Syntax with example.
- 2 a Analyze the concept of Single Inheritance Syntax with example.  
OR  
b Examine the method Overriding Concept Syntax with example.
- 3 a Write a Java Program to illustrate the use of Multiple Catch Statements.  
OR  
b Illuminate about the Life Cycle of a Thread with neat diagram.
- 4 a Write short notes on various String Constructors with example.  
OR  
b What is meant by Stream Classes? Summarize on Input Stream and Output Stream with example.
- 5 a Discuss the Applet Life Cycle in Java with example.  
OR  
b Develop an Applet that receives Three Numeric Values as Input and then Displays the Largest of the Three Numbers.

**SECTION -B (45 Marks)**

Answer any **THREE** questions

**ALL** questions carry **EQUAL** Marks (3 x 15 = 45)

- 6 Enumerate about various Looping Control Statements Syntax with example.
- 7 Analyze how to handle Package in Java Syntax with example.
- 8 ' Illustrate about the 2 ways for Creating Thread Syntax with example.
- 9 Elucidate various String Operations in Java with example.
- 10 Summarize the various Layout Managers of AWT with suitable example.