

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2019  
(Sixth Semester)

Branch - MATHEMATICS WITH COMPUTER APPLICATIONS

**JAVA PROGRAMMING**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 What is the use of comment line in programming language?
- 2 Define separators. Write the symbol and description.
- 3 What is the use of startswith () and endswith () method?
- 4 What is an inheritance?
- 5 What is the use of super keyword?
- 6 What is package? With an example.
- 7 What is an APPLET?
- 8 Write a java program using the status window.
- 9 Define RGB.
- 10 Define Abstract class.

**SECTION - B 125 Marks!**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain different types of literals used in Java.  
OR  
b Write about arithmetic operators in java with suitable example.
- 12 a Explain about APPLET fundamentals.  
OR  
b Discuss about nested try statement with syntax and necessary example.
- 13 a Explain about several math functions in JAVA.  
OR  
b How to working with maps in java programming?
- 14 a Write about APPLET AWT methods.  
OR  
b How to working with frame windows in APPLET?
- 15 a How will you create text fields in swing? Give example.  
OR  
b List out advantages of java Beans.

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Explain about Java's iteration statement.
- 17 Write about I/O basics of java programming.
- 18 Briefly explain about file system of java.io package.
- 19 Discuss about understanding layout managers.
- 20 Write the difference between C++ and Java.