

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022  
(Third Semester)

Branch – COMPUTER SCIENCE

PROGRAMMING IN JAVA

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

1. Which component is used to compile, debug and execute the java programs?  
(i) JRE (ii) JIT  
(iii) JDK (iv) JVM
2. Which one of the following is not a Java feature?  
(i) Object-oriented (ii) Use of pointers  
(iii) Portable (iv) Dynamic and Extensible
3. Which of these cannot be used for a variable name in Java?  
(i) identifier & keyword (ii) identifier  
(iii) keyword (iv) none of the mentioned
4. What is the extension of java code files?  
(i) .js (ii) .txt  
(iii) .class (iv) .java
5. Which environment variable is used to set the java path?  
(i) MAVEN\_Path (ii) JavaPATH  
(iii) JAVA (iv) JAVA\_HOME

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

6. a) Explain about the Finalize() method.  
OR  
b) Outline about string and its comparison with examples.
7. a) Explain the usage of try & catch exception statements in java.  
OR  
b) Describe about the thread priority process.
8. a) Analyse about the set interface in java.  
OR  
b) Explain about the ArrayList class with examples.
9. a) Describe about Applet Architecture.  
OR  
b) Explain the HTML Applet tag with example.
10. a) Explain the JButton class in java.  
OR  
b) Explain the concept of Tables in Swing.

Cont...

**SECTION -C (30 Marks)**  
Answer ALL questions  
ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. a) Discuss about string constructors with examples.  
OR  
b) Elucidate about the dynamic method dispatch in java.
12. a) Explain the following exception statements (i) Nested try (ii) Throw  
OR  
b) Enumerate about the file stream classes with examples.
13. a) Analyze the List interface method in java.  
OR  
b) Discuss about the priority queue class with examples.
14. a) Explain the various Applet display methods in java.  
OR  
b) Examine about the Event classes with examples.
15. a) Elucidate the Icons & labels in swing JApplet.  
OR  
b) Compare the check boxes & combo boxes in Japplet.

Z-Z-Z

END