

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BCA DEGREE EXAMINATION DECEMBER 2023  
(Fourth Semester)

Branch – COMPUTER APPLICATIONS

**JAVA PROGRAMMING**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 Which of the following is not a popular IDE for java development  
(i) NetBeans (ii) IntelliJ IDEA  
(iii) Visual Studio Code (iv) Eclipse
- 2 How many primitive data types in java  
(i) 6 (ii) 7  
(iii) 8 (iv) 9
- 3 When is the object created with new keyword?  
(i) At run time (ii) At compile time  
(iii) Depend on the code (iv) None of these
- 4 What is the extension of java compiled class  
(i) .txt (ii) .class  
(iii) .Js (iv) .Java
- 5 Expand JDK  
(i) Java Development Kit (ii) Javac development kit  
(iii) Java Development toolkit (iv) None of these

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Write down the features in Java.  
OR  
b Discuss about Java applets.
- 7 a Write short note on constructor overloading.  
OR  
b Explain Type conversion and casting methods.
- 8 a Write down the Threading models in java.  
OR  
b How to Extract the character function?

Cont...

- 9 a Describe the features of Byte Streams in IO class.  
OR  
b Compare grid layout and flex layout.
- 10 a Explain about any three fundamentals in AWT windows.  
OR  
b What is an Mouse Event class with suitable syntax?

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain about brief notes on Lexical Issues .  
OR  
b Illustrate about constructors and their types.
- 12 a Discuss about inheritance with suitable example.  
OR  
b How to create own Exception handling in java?
- 13 a Write short note on string buffer.  
OR  
b Explain about the Thread Priority.
- 14 a Write short note on serialization.  
OR  
b How to pass parameters to the Applet classes?
- 15 a What is dialog box? Write a simple program for dialog box control.  
OR  
b Explain about the concept of Event listener interface.

Z-Z-Z

END