

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(Third Semester)

Branch – COMPUTER TECHNOLOGY

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 of these operators is used to allocate memory to array variable in Java?
(i) malloc (ii) calloc
(iii) new (iv) new malloc
- 2 Identify the modifier which cannot be used for constructor.
(i) Public (ii) Private
(iii) Protected (iv) Static
- 3 Which of these classes allows characters to be returned to the input stream?
(i) BufferedReader (ii) FileReader
(iii) CharArrayReader (iv) PushBackReader
- 4 Which is the required attribute to give the name of the file containing your applet's compiled .class file?
(i) CODE (ii) CODEBASE
(iii) ALT (iv) NAME
- 5 The expansion for MVC is _____.
(i) Modelling-Visual-Controller (ii) Model-View-Container
(iii) Model-Viewable-Controller (iv) Many-View-Controller

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6 a Explain the data types supported in Java with example.
OR
b Outline the use of bitwise operator with example.
- 7 a How to override a method in Java? Explain with example.
OR
b Describe the use of Access protection.
- 8 a Narrate about the fundamentals of Exception-handling in Java.
OR
b Explain about Deadlock with example.
- 9 a Explain the basics of an Applet.
OR
b Explain the Delegation Event Model in Event Handling with example.

Cont...

- 10 a How to work with frame window in AWT? Explain.
OR
b Describe the common operations that occur while working with images.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain about while and do-while loop in Java with example.
OR
b Discuss the various string comparison methods in Java with example.
- 12 a Discuss about the basics of Inheritance with example.
OR
b Summarize about packages in Java.
- 13 a Examine the use of chained Exceptions.
OR
b Illustrate about suspend, resume and stop threads.
- 14 a Interpret about the skeleton of an Applet.
OR
b Elucidate about the commonly used event listener interfaces.
- 15 a Interpret the use of Button control in AWT.
OR
b Apprise about the components and containers in Swing.

Z-Z-Z

END