

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(Third Semester)

Branch – INFORMATION TECHNOLOGY

CORE 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 Identify the Symbol for Ternary if-then-else.
(i) !: (ii) :!
(iii) :? (iv) ?:
- 2 Mention the method that is called before an unused object is recycled.
(i) Object clone() (ii) void notify()
(iii) void finalize() (iv) Class getClass()
- 3 ----- block is executed must, whether the code contains error or not
(i) throw (ii) finally
(iii) try (iv) catch
- 4 Choose the component that displays rows and columns of data.
(i) Table (ii) Combo Boxe
(iii) Tabbed Pane (iv) Text Field
- 5 Which of the following is method of JDBC batch process?
(i) setBatch() (ii) deleteBatch()
(iii) removeBatch() (iv) addBatch()

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Outline on Lexical Issues in Java.
OR
b Write about Methods in Classes.
- 7 a With an example, explain on how a Superclass Variable can reference a Subclass Object.
OR
b How to define an Interface? Explain.
- 8 a Sketch about Uncaught Exceptions.
OR
b Summarize about Multiple catch Clauses.

Cont...

- 9 a Explain about the Delegation Event Model.
OR
b Bring out the importance of JApplet in Swing.
- 10 a Narrate about Java Soft Framework.
OR
b How to Create a Prepared Statement Object in Java? Explain.

SECTION -C (30 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a Discuss about 'For' statement with an example.
OR
b Survey on Special String Operations used in Java.
- 12 a Demonstrate on Creating a Multilevel Hierarchy with an example.
OR
b Elucidate on Packages that can be used in Java.
- 13 a With an example, justify the use of 'Try' and 'Catch' statement used for Exception Handling.
OR
b Examine about Java thread methods with an example.
- 14 a Analyze about:
i) The Action Event Class
ii) The Container Event Class
iii) The Key Event Class
OR
b Compare the Buttons used in Swing.
- 15 a Outline about JDBC Package which are utilized in Java.
OR
b Enumerate on Driver Interface and Driver Manager Class.

Z-Z-Z

END