

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(Third Semester)

Branch – INFORMATION 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 Java Programming is _____ language.
(i) code dependent (ii) platform dependent
(iii) platform independent (iv) sequence dependent
- 2 Runnable is _____.
(i) a class (ii) a method
(iii) an abstract class (iv) an interface
- 3 Exception created by _____ block is caught in _____ block.
(i) catch, catch (ii) try, try
(iii) try, catch (iv) catch, try
- 4 _____ sequence of method calls take place when an applet begins.
(i) create(), init(), paint() (ii) start(), init(), create()
(iii) init(), start(), paint() (iv) init(), create(), start()
- 5 _____ is responsible for getting a connection to the database.
(i) Connection (ii) Driver
(iii) ResultSet (iv) Statement

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Write short notes on constructor and this keyword.
OR
b Elucidate how garbage collection is done in java programming.
- 7 a Explicate method overriding with relevant java program.
OR
b Write short notes on packages in java.
- 8 a How to create own exceptions in java? Explain.
OR
b Write a brief note on thread priorities.

Cont...

- 9 a What are applets? Explain in detail applet life cycle.
OR
b Write any applet program and explain.
- 10 a Discuss about JDBC packages.
OR
b Explain java framework.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain control statements supported in java with example.
OR
b Write short notes on OOP.
- 12 a Elucidate any six built-in string functions with relevant java program.
OR
b Describe multilevel hierarchy with relevant java program.
- 13 a Discuss about exception types with example.
OR
b Write short notes on inter thread communications.
- 14 a Give a brief note on JApplet.
OR
b Write notes on event handling in java.
- 15 a Explain about different types of JDBC drivers
OR
b Explicate the steps for JDBC connectivity.

Z-Z-Z

END