

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2023

(Regular/Improvement/Supplementary)

BCA

GBCA5B08T: JAVA PROGRAMMING

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.

(Ceiling 20 Marks)

1. What is a listener in context to event handling?
2. List out the constructors of File class.
3. What is meant by nested if? Explain with example.
4. The main method has to be static in java. Why?
5. What is meant by operation in object orientation?
6. Define Abstract method in Java.
7. What is the purpose of Writer class?
8. What is Dynamic binding in OOPS?
9. Can we write try block alone in a java program without catch and finally blocks?
10. What are the two classes needed for building an applet code?
11. What do you mean by AWT in java?
12. How do you draw a line in Java?

SECTION B: Answer the following questions. Each carries *five* marks.

(Ceiling 30 Marks)

13. Write a program to read from a file and write to a file using character stream.
14. Describe in detail various features of object orientation.
15. Describe about bit-wise operators in java with example.
16. Differentiate update () and repaint() methods of applet.
17. Differentiate between Method overloading and Method overriding in Java.
18. Explain in detail about procedural languages.
19. Describe the concept of developing user defined exception classes.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. What is JDBC connection? Explain in detail the various steps to connect to the database in Java.
21. What is a Layout Manager? Explain the different types of layouts available in Java.

(1 x 10 = 10 Marks)