

NOVEMBER 2019

51305/SAZ4A/
SAE4A/TAC5D/
TAB6E

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Why is java known as platform independent language?
2. What is an object-oriented programming?
3. Distinguish between classes and objects.
4. Write down the rules for naming classes.
5. Define: "Interface".
6. What is the use of catch block?
7. Differentiate between local applet and remote applet.
8. Write down any four attributes of APPLET tag.
9. Write the uses of byte stream classes.
10. What is AWT?
11. Write the use of URL.
12. Define the term "Socket".

II B.Sc (CS) - Programming in Java

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the purpose of Switch statement in Java.
14. Compare and contrast overriding and overloading a method.
15. What is a constructor? What are the different types of constructor? Explain.
16. What is a package? How to create a package?
17. Distinguish between multithreading and multitasking.
18. What are the two types of stream classes? Explain.
19. Explain the use of inner classes in AWT.

PART C — (3 × 10 = 30 marks)

Answer any THREE Questions.

20. List the basic data types used in java. Explain with suitable example.
21. Develop a Java program to perform matrix multiplication.

22. Describe the implementing the Runnable interface. Give example.
23. Explain how exception handling mechanism can be used in a Java program.
24. Discuss the various types of AWT controls.