

APRIL 2021

**51305/SAZ4A/SAE4A/
TAC5D/TAB6E**

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer any TEN questions.

1. Define : Objects.
2. What are Java tokens?
3. List the data types of java.
4. Define :Constructors.
5. What is inheritance?
6. What are packages?
7. Define : Exception.
8. What is thread?
9. What are character stream classes?
10. Define : File.
11. What is AWT?
12. What are Frames?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Explain the features of java programming.
14. Write a java program to find the summation of 1,..., 10 numbers.
15. Compare and contrast overriding and overloading a method.
16. Explain any five commonly used string methods with examples.
17. Write a note on : Life cycle of a thread.
18. Discuss thread priority with examples.
19. Write about working with colors in java with suitable examples.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Narrate the usage of garbage collection.
21. Write a Java program to illustrate the use of constructors.

22. What is synchronization? Explain the implementation of this concept in Java with examples.
 23. Explain how exception handling mechanism can be used in a program.
 24. Write a Java program to illustrate the usage of any two AWT controls.
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