



65524

V Semester B.C.A. Degree Examination, March/April 2024

(CBCS Scheme) (Repeaters)

COMPUTER SCIENCE

BCA504T : Java Programming

Time : 3 Hours

Max. Marks : 70



**Instruction :** Answer **all** the Sections.

SECTION – A

I. Answer **any ten** questions. **Each** question carries **2** marks. (10×2=20)

- 1) What is initialization ?
- 2) Mention any two advantages of arrays.
- 3) Differentiate between classes and objects.
- 4) How do you use Java system package ?
- 5) What are static nested classes ?
- 6) Define thread.
- 7) When a finally block is used ?
- 8) How to define a new exception ?
- 9) Write any 2 features of an applet.
- 10) What is a frame ?
- 11) Compare paint ( ) and repaint( ) method.
- 12) What is a token ?

SECTION – B

II. Answer **any five** questions. **Each** question carries **10** marks. (5×10=50)

- 13) a) What is JVM ? Explain the components of JVM. (5+5)  
b) Write a program to demonstrate passing of arguments in command line arguments.

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- 14) a) Distinguish between entry controlled and exit controlled loop. (5+5)  
b) Define inheritance. Explain any one type of inheritance.
- 15) a) What is method overloading ? Explain with an example. (5+5)  
b) Explain the string comparison and string concatenation methods with example.
- 16) a) Summarize vector methods. (5+5)  
b) Explain an interface with an example. Mention any two differences between class and interface.
- 17) a) Write a note on isAlive ( ) method and join ( ) method. (5+5)  
b) How multithreading is achieved in Java ?
- 18) a) Discuss different exception types. (5+5)  
b) Explain the HTML applet tag with all its attributes.
- 19) a) Explain graphics methods for drawing polygons, arcs and ellipses. (5+5)  
b) Discuss the differences between byte array and char array streams.
- 20) Write a program to implement keyboard events.
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