

B.C.A. (CBCS) DEGREE EXAMINATION,
APRIL 2023

Third Semester

Computer Application — Core

JAVA PROGRAMMING

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which makes Java code architecture neutral?
 - (a) JRE
 - (b) JDK
 - (c) JVM
 - (d) Java Bean

2. Which of the following is bitwise exclusive OR operator?
 - (a) -
 - (b) ^
 - (c) <<
 - (d) %
3. Which variable should be initialized when it is declared?
 - (a) static
 - (b) const
 - (c) final
 - (d) friend
4. Which keyword is used to access a member of the superclass?
 - (a) super
 - (b) extends
 - (c) inherit
 - (d) super(parameter list)
5. Which of the following is used to specify what a class must do?
 - (a) implements
 - (b) interface
 - (c) package
 - (d) Import

6. Which command is used to create a package?
 - (a) implements
 - (b) interface
 - (c) package
 - (d) import
7. Which class is used for accessing the attributes of a remote resource?
 - (a) Socket
 - (b) URLConnection
 - (c) ServerSocket
 - (d) Datagram
8. Which of the following is a required attribute of APPLET tag?
 - (a) code
 - (b) codebase
 - (c) align
 - (d) name
9. Which control is used to create a pop-up list of items?
 - (a) Label
 - (b) Check Box
 - (c) Choice
 - (d) Button
10. Which of the following is AWT passive control?
 - (a) Button
 - (b) Label
 - (c) Check box
 - (d) Scroll bar

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) List the data types In Java with examples.
Or
(b) Write a Java program to find the minimum of two numbers with conditional operator.
12. (a) Explain constructor overloading.
Or
(b) Give the use of final.
13. (a) Write a note on exception handling.
Or
(b) Give the use of is Alive() and join().
14. (a) Explain delegation event model.
Or
(b) Write a note on cookies.
15. (a) Write a note on AWT classes.
Or
(b) Implement flow layout.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write a Java program to Input two numbers and display their sum.

Or

- (b) Classify the operators in Java and give description.

17. (a) Write a Java program to show the use of object as parameter.

Or

- (b) Explain method overriding.

18. (a) Briefly explain the importing of packages.

Or

- (b) Write a Java program to create multiple threads.

19. (a) Briefly explain HTTP URL Connection.

Or

- (b) Briefly explain Keyboard event handling.

20. (a) Write an applet to display a rectangle in RED color and fill it with Green color.

Or

- (b) Create a form with a label box, a text box and check box group and two buttons.
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