

B.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2023.

Third Semester

Computer Science – 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 the questions.

Choose the correct answer :

1. Which is the object created with new keyword?
(a) At run time
(b) At compile time
(c) Depends on the code
(d) None

7. The applet method _____ is used to destroy the applet.
(a) end() (b) destroy()
(c) stop() (d) kill()
8. Which of these functions is called to display the output of an applet?
(a) paint() (b) display applet()
(c) print applet() (d) display()
9. Which class provides many methods for graphics programming?
(a) java.awt
(b) java.awt.graphics
(c) java.graphics
(d) none
10. Which of these packages contains all the event handling interfaces?
(a) java.lang
(b) java.awt
(c) java.awt.event
(d) none

2. Which of the following are Access specifiers?
(a) Private (b) Public
(c) Protected (d) All the above
3. Identify the return type of a method that does not return any value _____.
(a) int (b) void
(c) double (d) none
4. Identify the interface which is used to declare core method in Java?
(a) Comparator (b) Event listener
(c) Set (d) Collection
5. Which exception is thrown when java is out of memory?
(a) Memory error
(b) Out of memory error
(c) Memory out of bounds exception
(d) Memory full exception
6. Thread priority in Java is _____.
(a) Integer (b) Float
(c) Double (d) Long

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) How to use final keyword?
Or
(b) Write short note on Nesting of Methods.
12. (a) Define array. How to create one dimensional array?
Or
(b) Give a brief note on strings.
13. (a) What do you mean by thread priority?
Or
(b) What is the use of 'finally' statement?
14. (a) How does Applet differ from applications?
Or
(b) How to prepare applet?
15. (a) What is Event handling?
Or
(b) How to draw lines?

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Write a simple java code to implement class and object.

Or

- (b) Explain overriding methods with an example program.

17. (a) Define Interface. Give a brief note on extending interface.

Or

- (b) How to create and access a package in Java?

18. (a) With neat diagram, explain the life cycle of thread.

Or

- (b) What is exception handling? How to handle it in Java?

19. (a) How to create executable applet? Explain.

Or

- (b) What is Applet tag? Write an Applet code to pass parameters to Applet.

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20. (a) What do you mean by Graphics Class? How to draw Arcs and Polygons?

Or

- (b) How to get Input from user? Give a brief note on AWT packages.
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