

B. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022**SEMESTER 5: COMPUTER APPLICATIONS****COURSE: 19U5CRCAP09 : PROGRAMMING IN JAVA***(For Regular - 2020 Admission and Supplementary - 2019 Admission)*

Time: Three Hours

Max. Marks: 75

PART A**Answer all questions (1 mark each)**

1. What is polymorphism?
2. Which inheritance is not supported by Java?
3. What is the use of finally keyword?
4. Why Java is platform independent?
5. What is the use of static variable?
6. Expand AWT.
7. What is the use of interface?
8. Expand JDBC.
9. Name 2 sources of events in Java.
10. What is J Frame?

(1 x 10 = 10)**PART B****Answer any 8 (2 marks each)**

11. How to define an object? Write the syntax with example.
12. What is a class?
13. What are Boolean variables?
14. What are bytecodes?
15. What is an exception? Give some system defined exceptions.
16. What is a package?
17. Write a simple applet program to draw a circle.
18. Write the syntax to create a Button.
19. What is the difference between == and equals()?
20. What is use of super keyword?

(2 x 8 = 16)**PART C****Answer any 5 (5 Marks Each)**

21. What are the basic datatypes in Java?
22. Write a program to find the factorial of a given number.
23. Explain arrays with syntax and example.
24. What is the use of static keyword?

- 25. Explain the use of final keyword.
- 26. Draw and explain the life cycle of an applet.
- 27. Explain inheritance with example program.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

- 28. Explain various Event classes and Event listeners in Java?
- 29. Explain dynamic method dispatch with an example.
- 30. Explain Layout Managers.
- 31. Explain exception handling. What are the different keywords used to handle exceptions?

(12 x 2 = 24)
