

SECOND SEMESTER B.VOC. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS—UG)

Software Development

SDC 2IT 06—PROGRAMMING IN JAVA

Time : Three Hours

Maximum : 80 Marks

Section A*Answer all questions.**Each question carries 1 mark.*

1. What is the full form of JDK ?
2. The java compiler translates source code into _____.
3. Define a class.
4. Constructor method has the same name as that of _____.
5. What is an exception ?
6. What is an *interface* ?
7. The Applet class is in _____ package.
8. Panel class is a super class of :
 - a) Applet class.
 - b) Component.
 - c) Container.
 - d) None.
9. A package is a collection of :
 - a) Classes.
 - b) Interfaces.
 - c) Editing tools.
 - d) Classes and interfaces.
10. Which interface provides methods to execute queries with the database ?
 - a) Connection interface.
 - b) Statement interface.
 - c) ResultSet interface.
 - d) None of the above.

(10 × 1 = 10 marks)

Turn over

Section B

*Answer any **eight** questions.
Each question carries 2 marks.*

11. Why java is considered platform neutral language ?
12. What is type casting ? why is it required in programming ?
13. Write short note on access specifiers.
14. What is constructor over loading ?
15. Explain 'new' key word with example statement.
16. Explain try and catch block.
17. How thread can be created in java ?
18. Write brief note on AWT controls.
19. Write short note on Applet class.
20. What is a swing ?
21. What is proxy server ?
22. What is dynamic method dispatch ?

(8 × 2 = 16 marks)

Section C

*Answer any **six** questions.
Each question carries 4 marks.*

23. Explain concept of command line argument with suitable example.
24. How class is defined in java ? Explain with example.
25. What is meant by constructor ? Explain with example.
26. What is mean by method overloading ? Explain with example.
27. Explain how exception handling mechanism can be implemented in java program.
28. What is a thread ? Explain thread creation using runnable interface.
29. What is meant by event ? Explain some event classes.
30. What is frame ? Write a program to explain frame.
31. Explain JDBC architecture.

(6 × 4 = 24 marks)

Section D

*Answer any **two** questions from the choice.*

Each question carries 15 marks.

32. What are different type of inheritance supported by java ? Explain with example.

33. Write in detail :

a) Byte stream classes.

(10 marks)

b) Character stream classes.

(5 marks)

34. Explain the various applet display methods with example.

35. What is data gram ? Write a program to demonstrate data gram.

(2 × 15 = 30 marks)