SECOND SEMESTER B.VOC. DEGREE EXAMINATION, MAY 2018

(CUCBCSS—UG)

Software Development

SDC 2IT 06—PROGRAMMING IN JAVA

Time : Three Hours   Maximum : 80 Marks

Section A

Answer all questions

1. JVM stands for ――――――.

2. What do you mean by an object ?

3. What is the use of instance variable in java ?

4. *final* is used to :

   a. Create named constant.   b. Prevent overloading.

   c. Prevent inheritance.   d. All of the above.

5. Division by zero is an example for :

   a. IOException.   b. ClassNotDefinedException.

   c. ArithmeticException.   d. None.

6. A catch clause cannot exist with out a ―――――― statement.

7. What is an Applet ?

8. Which method is called first by an Applet ?

9. 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. Which classes are used for connection less socket programming ?

    a. DatagramSocket.   b. DatagramPacket.

    c. Both a and b.   d. None of the above.

                                                                    (10 × 1 = 10 marks)

Section B

*Answer any **eight** questions.*

11. What is mean by java virtual machine ?

12. What is initialization ? Why is it important ?

                                                                    Turn over

13. What is default and parameterized constructor ?

14. What is abstract class ?

15. Write short note on static key word.

16. What is the difference between process and threads ?

17. What are different exception types ?

18. What is mean by layout ?

19. Which are the three interfaces in java applet ?

20. What is socket in a networking programming ?

21. What is JDBC and JDBC driver ?

22. Explain concept of command line argument ?

(8 × 2 = 16 marks)

Section C

Answer any **six** *questions*

23. Explain instance and dot operator in java.

24. Explain final method with example ?

25. What is a package ? How do we design package ?

26. What are wrapper class ? Explain its application.

27. What is meant by event ? Explain some event classes.

28. Briefly explain different awt component in java ?

29. Explain the concept of streams in java.

30. What is frame ? Write a program to explain frame ?

31. Briefly explain JDBC architecture.

(6 × 4 = 24 marks)

Section D

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

32. Write in detail various OOPS concept and features of java.

33. Explain exception handling in java with suitable example.

34. Explain java swing components in detail.

35. Explain life cycle of Applet.

(2 × 15 = 30 marks)