

C 85735

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Name

Reg. No.

SECOND SEMESTER B.VOC. DEGREE EXAMINATION, APRIL/MAY 2015

(CUCBCSS—UG)

Software Development

SDC 2IT 06—PROGRAMMING IN JAVA

Time : Three Hours

Maximum : 80 Marks

Part A

*Answer **all** questions.*

1. Which of the following feature not supported by Java ?
(a) Multithreading. (b) Method overloading.
(c) Operator overloading. (d) Garbage collection.
2. A final variable that is not initialized at the time of declaration is known as _____
3. _____are containers for classes.
(a) Interface. (b) Packages.
(c) Constructors. (d) None of these.
4. 'this' keyword is used to refer to _____object.
5. File Output Stream class store the data in the form of _____
(a) character. (b) file.
(c) bytes. (d) bit.
6. Java _____streams are used to perform input and output for 16 bit Unicode.
7. When a portion of the window has to be redrawn, _____method is overridden.
(a) Repaint O. (b) paint O.
(c) update (). (d) None of these.
8. Which method is called first by an Applet ?
9. Swing is not a part of JFC (Java Foundation Classes) that is used to create GUI application (true/false).

Turn over

10. Which classes are used for connection-less socket programming ?
- (a) DatagramSocket. (b) DatagramPacket.
(c) Both a & b. (d) None of these.

(10 x 1 = 10 marks)

Part B

*Answer any **eight** questions, not exceeding a paragraph of 50 words.*

11. What you mean by polymorphism ?
12. Define HDK.
13. For what purpose final keyword is used ?
14. How garbage collection is done in Java ?
15. List out the properties of static variables and methods ?
16. What is exception ?
17. Explain notify() and notifyall() methods in the interthread communication.
18. What you meant by an event ?
19. What are the steps involved in Applet development ?
20. Explain FileInputStream stream.
21. What is JApplet ?
22. What is the difference between TCP and UDP ?

(8 x 2 = 16 marks)

Part C

*Answer any **six** questions, in a page of 50 words.*

23. Explain the features of Java.
24. Explain data type conversion and casting feature of Java with an example.
25. How multiple inheritance can be achieved by using Interface ?
26. What you mean by a constructor ? What are the different types of constructors ? Explain with example.
27. What is exception ? How it is handled in Java ? Explain with an example program.
28. Write a program in Java to concatenate two files.
29. How parameters are passed to Applets ? Explain.

- 30. Write a program in Java to explain the concept of frames.
- 31. Compare SWING components to standard AWT.

(6 x 4 = 24 marks)

Part D

*Answer any **two** questions, not exceeding **four** pages.*

- 32. What are different types of inheritance supported by Java ? Explain with example.

Or

- 33. Explain standard streams of Java in detail.

- 34. Write a Java program for string concatenation, string conversion and string comparison.

Or

- 35. Explain JDBC and the architecture in detail with a diagram.

(2 x 15 = 30 marks)