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Reg. No.....

Name.....

B.C.A./B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016

Fifth Semester

Core Course—JAVA PROGRAMMING

(For B.C.A. and B.Sc. Computer Applications (Triple Main))

[2013 Admission onwards]

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. What is a byte stream ?
2. Syntax of switch statement.
3. What is a static variable ?
4. What is the use of this keyword ?
5. What do you mean by parameterized constructor ?
6. What is the use of throw statement ?
7. Write any four methods of thread class.
8. What is Delegation event model ?
9. What is a label control ?
10. Define two colour class constructors.

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. Write structure of Java Applet program.
12. Write about Java data types.
13. What do you mean by dynamic method despatch ?
14. Explain features of constructors.
15. What are uses of final keyword ?
16. Write about packages in Java.
17. Discuss event classes in Java.
18. Write about list class.

Turn over

19. What do you mean by method overloading ?
20. Write about operators in Java.
21. What are looping statements in Java ?
22. What is the importance of update function in Java ?

(8 × 2 = 16)

Part C

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

23. What are the features of object oriented programming ?
24. What is the use of final keyword ?
25. What is the use of abstract classes ?
26. Write about string handling functions in Java.
27. Discuss Graphics class in Java.
28. Write I/O streams in Java.
29. Write various parameter passing mechanism in Java.
30. How to pass parameters to an applet ? Explain with example.
31. Write a Java program add two complex numbers using object and class.

(6 × 4 = 24)

Part D

*Answer any two questions.
Each question carries 15 marks.*

32. Discuss various layout managers.
33. Explain with example how to create child threads.
34. Explain with example use of super keyword.
35. Explain exception handling mechanism in Java.

(2 × 15 = 30)