B. SC. DEGREE (C.B.C.S.S) EXAMINATION, OCTOBER 2018

(2016 Admission Regular & 2015 Admission Supplementary)

SEMESTER V - CORE COURSE (COMPUTER APPLICATIONS)
CAC5B11TB - JAVA PROGRAMMING

Time : 3 Hours   **Maximum Marks : 80**

Part A

I. Answer all questions. Each question carries 1 marks   **(6x1=6)**

1. What is a virtual machine?
2. What is a command line argument?
3. Explain Object class.
4. What is a CLASSPATH?
5. What is a Component class?
6. What is JTree?

Part B

II. Answer any Seven questions. Each question carries 2 marks   **(7x2=14)**

7. What is down casting?
8. Explain Command Line Arguments.
9. How can we call a super class?
10. What are the uses of final?
11. Explain Thread Priorities.
12. Explain wait (), notify () and notifyAll ().
13. What are 2 types of Applet class?
14. What is a Model View Controller?
15. Describe JDBC API.
16. What is a connection in JDBC?

Part C

III. Answer any Five questions. Each question carries 6 marks   **(5x6=30)**

17. What is polymorphism? What is its different Kind?
18. Explain instance variable and method.
19. Differentiate checked and unchecked exception.
20. Describe any 4 methods of Graphics Class.
21. Differentiate between AWT and Swing.
22. Describe left shift and right shift operator.
23. Differentiate between Abstract Class and Interface.   **(2x15=30)**
24. Explain use of throws in Exception.

Part D

IV. Answer any Two questions. Each question carries 15 marks

25. Describe in detail Different Object Oriented Paradigm in Java.
26. Discuss Abstract class. Explain the use of final keyword.
27. What is an Exception? Give different types of exception that could occur during Runtime.
28. What are swings in java? Write a program in java to illustrate the use of 4 swing control.