



C09-CM-604/C09-IT-604

3737

BOARD DIPLOMA EXAMINATION, (C-09)  
OCT/NOV—2016  
DCME—SIXTH SEMESTER EXAMINATION  
JAVA PROGRAMMING

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

3×10=30

**Instructions :** (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write any three differences between Java applet and Java program. 3
2. What is an array? How to initialize an array in Java? 1+2=3
3. Write syntax for two selection statements of Java. 3
4. What is a constructor? Explain with example. 3
5. List any three advantages of multithreading. 3
6. What do you mean by abstract class and abstract method? 3

- \* 7. List out the sources of errors in programming. 3
8. List input stream classes. 3
9. What is a label? List any two constructors of labels. 1+2=3
10. What is the text field? 3

**PART—B**

10×5=50

**Instructions** : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. (a) Write the syntax of FOR loop.  
 (b) Write a Java program to print prime numbers between 1 to 100. 4+6=10
12. Write the usage of command line arguments with examples. 5+5=10
13. Explain how to implement interfaces in Java with an example. 5+5=10
14. What is thread? Explain the following thread methods (a) is alive ( ), (b) join ( ) and (c) suspend ( ). 10
15. Write a Java program using multi-catch statement. 10
16. Explain about the order of applet initialization and termination. 5+5=10
- \* 17. Explain AWT component class hierarchy. 10
18. Explain creation of frame window in an applet. 10

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