



C09-CM-604/C09-IT-604

3737

BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2017
DCME—SIXTH SEMESTER EXAMINATION
JAVA PROGRAMMING

Time : 3 hours]

[Total Marks : 80

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. What is JVM? 3
2. List any three properties of static variables and static methods. 3
3. What is inheritance? List any two advantages of inheritance. 1+2
4. Differentiate between break and continue statements in Java. $\frac{1}{2}+\frac{1}{2}=3$
5. What is synchronization in Java? 3
6. Write about thread priorities. 3
7. List any three advantages of exceptions. 3
8. Write any three advantages of applets. 3
9. What is a frame window? 3
10. List any six AWT classes. 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.** What is this pointer? Write a program using this pointer. 3+7
- 12.** (a) What is a string? Explain any four string methods in Java with example. 1+4
(b) What is method overriding? Explain with the help of program. 2+3
- 13.** Explain how to create a thread with example program. 10
- 14.** What is an interface? Explain how to implement interface in Java with example. 10
- 15.** Write a program using try-catch functionality. 10
- 16.** Write an applet program to display the message 'WELCOME'. 10
- 17.** Explain any five graphic methods supported by AWT. 10
- 18.** Explain check boxes, lists and scroll bars. 10

*