



C14-CM-501/C14-IT-501

4624

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2017

DCME—FIFTH 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. Why is JAVA platform independent?
2. What is the use of JVM?
3. Give the difference between automatic-type conversion and automatic-type casting.
4. What are jump statements in JAVA?
5. What are overloading and overriding?
6. What are the access specifiers in JAVA?
7. List the advantages of an interface.
8. How to start a thread?

\* 9. List the keywords useful for exception handling in JAVA.

10. What are the phases in Applet life cycle?

**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. Explain eight simple data types of JAVA.

12. Write a JAVA program to sort an array of names of persons in alphabetical order.

13. Explain about command line arguments with an example program.

14. Explain about how to import packages in JAVA.

15. How is interface used to support multiple inheritance? Explain with a program.

16. What are the two-ways of creating threads? Explain with suitable programs.

\* 17. Explain multiple catch statements in JAVA with an example.

18. Explain character stream classes.

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