



C14-CM-501/C14-IT-501

4624

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2017
DCME—FIFTH 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. Distinguish between Java and C++.

2. What is byte code interpretation?

3. How is type casting done in Java?

4. What is method of overloading?

5. What is the use of this keyword?

6. List the advantages of a package.

7. What is an interface? Write its syntax.

2+1

8. List the thread priorities.

* 9. What are the advantages of exception handling?

10. What is stream class?

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. Write a Java program to search for an element from an array of integers.

12. (a) Define inheritance. Write its types.

(b) Write a program for multilevel inheritance. 4+6

13. Write a Java program to use 'final' for avoiding overriding.

14. Explain in detail about creating and accessing packages with an example program.

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

16. Explain about `join()`, `alive()`, `suspend()`, `resume()` methods.

* 17. Explain about nested try statements in Java with example.

18. Explain about applet life cycle.
