C14–CM–501–C14–IT–**501**

4624

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2018
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. Write a short note on JVM.

2. What is an applet?

3. List various types of operators in Java.

4. What is constructor?

5. What is the purpose of this keyword?

6. Write the syntax to create an interface.

7. Write a short note on access protection in Java.

8. Draw life cycle of a thread.

9. What is exception handling?

10. Write the procedure to compile and run an applet.

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PART—B 10×5=50

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

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

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

11. *(a)* Write a java program to check the given number is prime number or not.

(b) Explain the declaration and initialization of one-dimensional, two-dimensional arrays.

12. What is constructor and what are the different types of constructors? Write an example program for each type.

13. *(a)* Explain about static methods.

(b) Write a short note on method overriding.

14. Explain how Java achieves multiple inheritance with example program.

15. *(a)* Explain the concept of importing packages in Java with an example.

(b) Write about classpath variable.

16. Explain the process of multithreading with example.

17. Explain multicatch statement in Java with an example.

18. *(a)* Write a java program to draw rectangle with in circle.

(b) Write a java program to read characters from the console until enters the character 'q'.

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