



C20-CM-WD-502

7636

BOARD DIPLOMA EXAMINATION, (C-20)

OCTOBER/NOVEMBER—2024

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. Define byte codes of Java.
2. State the importance of string classes.
3. State the usage of this pointer.
4. Define method overriding.
5. Write the differences between array list and linked list.
6. Write about ENUM set.
7. Write the advantages of exception handling.
8. What is synchronisation?
9. List event listener interfaces.
10. Define AWT classes.

PART—B

8×5=40

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** Describe type casting and conversion features with an example program. 6+2

(OR)

Explain the concept of method overloading in Java with any example. 5+3

- 12.** Write a Java program to implement method overriding concept. 8

(OR)

Describe the concept of (a) access protection and (b) class path. 4+4

- 13.** Explain various file access operations by using file streams. 8

(OR)

Write a simple program to read and write data through console I/O streams. 8

- 14.** Write a Java Program using multicolour statement with an example program. 8

(OR)

Explain inter thread communication with an example program. 8

- 15.** Explain the life cycle of an applet with a neat sketch. 8

(OR)

Describe COLOUR FONT classes. 8

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. Can a class extend more than one classes or does Java support multiple inheritance? If not, why?

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