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III Semester B.Sc. Degree Examination March/April - 2024

COMPUTER SCIENCE

Object Oriented Programming Using Java

(Scheme NEP)

Paper : III

Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

Answer all the sections.



SECTION -A

I. Answer any Four questions. Each question carries 2 marks. (4×2=8)

1. What is JVM? List its functions.
2. What are Java Tokens?
3. What is a Scanner class?
4. Differentiate default and parameterized constructor.
5. Define Event handling
6. What is Network Programming?

SECTION-B

II. Answer any Four questions. Each question carries 5 marks. (4×5=20)

7. Write a Java program to demonstrate two-dimensional array .
8. Write a Java program to implement multilevel inheritance .
9. Explain flow layout with an example .
10. Explain how applets are different from applications .
11. What is an exception? Write a Java program to demonstrate arithmetic exception using try-catch block.
12. What is stream? Explain classification of I/o Streams.

[P.T.O.]



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SECTION - C

III. Answer any Four questions. Each question carries 8 marks.

(4×8=32)

13. a) Explain switch statement with an example.
b) Explain final variables and methods.
 14. a) Explain life cycle of a Thread with a neat diagram.
b) Write a Java program to create an applet and draw grid liner.
 15. a) What is Java collection Framework? Write the differences between array and collections.
b) What is a package? Explain different API packages.
 16. a) Explain Static and Dynamic binding in Java.
b) Write a Java program to demonstrate method overriding.
 17. a) Write a Java Program to demonstrate any two key events.
b) Explain Socket programming.
 18. a) What is constructor overloading? Explain with a program.
b) Explain the different visibility modifiers in Java.
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