



NP – 270

30
III Semester B.A./B.Sc. Examination, February/March 2024
(NEP) (F+R)

COMPUTER SCIENCE

Object Oriented Programming using Java

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the Parts.



PART – A

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

- 1) What is inheritance ?
- 2) Define constructor. Give an example.
- 3) Explain the features of Java.
- 4) What are unary operators ?
- 5) What is an applet ?
- 6) What are exceptions ?

PART – B

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

- 7) Explain the features of object oriented programming.
- 8) Bring out the differences between C programming and Java programming.
- 9) Explain method overriding with an example.
- 10) What are iteration statements ? Explain with an example.
- 11) Explain the life cycle of a thread with a neat diagram.
- 12) What is the layout manager in Java ? Explain any two layouts briefly.

PART – C

III. Answer **any four** questions. **Each** carries **eight** marks. (4×8=32)

- 13) a) Explain all the access specifiers in Java. 4
- b) Write a note on Java data types. 4

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| 14) Write a note on event handling in Java. | 8 |
| 15) Explain applet life cycle with neat diagram. | 8 |
| 16) a) Explain any five methods of graphic class with an example. | 5 |
| b) Mention any six GUI components in Java. | 3 |
| 17) a) Explain string methods in detail with an example. | 6 |
| b) Write difference between string and string buffer. | 2 |
| 18) a) What is package ? Write a simple program and explain the steps to create a package. | 6 |
| b) Define user defined package. | 2 |
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