



NP – 227

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III Semester B.A./B.Sc. Examination, March/April 2023
(Freshers) (NEP) (2022 – 23 and Onwards)
COMPUTER SCIENCE
Object Oriented Programming using JAVA

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the Parts.



PART – A

- I. Answer **any 4** questions. **Each** question carries **2** marks. (4×2=8)
- 1) What is the use of new operator ? 2
 - 2) Define Inheritance. 2
 - 3) Why do we need string buffer class ? 2
 - 4) Define Dynamic Binding. 2
 - 5) What is thread ? 2
 - 6) Define Applet. 2

PART – B

- II. Answer **any 4** questions. **Each** question carries **5** marks. (4×5=20)
- 7) Explain the basic concepts of OOP. 5
 - 8) List out the difference between method and constructor. 5
 - 9) Describe the while loop of java with example. 5
 - 10) Write a short note on Abstract method and classes. 5
 - 11) Write a program to draw any 4 shapes in a created window. 5
 - 12) Explain the steps to create a package in java. 5

PART – C

- III. Answer **any 4** questions. **Each** question carries **8** marks. (4×8=32)
- 13) Describe the visibility modifiers in detail. 8
 - 14) Write a short note on GUI components in java. 8
 - 15) Write a note on event handling in java. 8
 - 16) Explain thread and thread life cycle. 8
 - 17) What is the purpose of exception handling and explain try and catch statements. 8
 - 18) Explain AWT package and swing in detail. 8
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