



DCCS – 301

III Semester B.Sc. Degree Examination, February/March 2024  
(NEP Scheme) (Freshers and Repeaters)

COMPUTER SCIENCE

DSC3 : Object Oriented Programming Concepts and Programming in Java

Time : 2½ Hours

Max. Marks : 60

**Instruction :** Answer *all* the Sections.

SECTION – A

I. Answer **any six** questions. **Each** question carries **2** marks. (6×2=12)

1) What is datatype ?

2) What is a constructor ? Give an example.

3) What is file ?

4) What is dynamic binding ?

5) What is an Interface ?

6) What is inheritance ?

7) What is grid layout ?

8) What is java beans ?

9) What is a stream ?

SECTION – B

II. Answer **any four** questions. **Each** question carries **6** marks. (4×6=24)

10) What is if-else statement ? Explain with an example.

11) What is an array ? Explain any 2 array methods.

P.T.O.



- 12) Explain visibility modifiers in java.
- 13) What is polymorphism ? Explain with examples.
- 14) Explain any three GUI components with example.
- 15) Explain thread life cycle with a neat diagram.

## SECTION – C

III. Answer **any three** questions. **Each** question carries **8** marks. (3×8=24)

- 16) Explain the operators in java with examples. 8
- 17) a) Write a note on Character class. 4  
b) What is a string class with example ? 4
- 18) a) Write a note on polymorphism. 4  
b) Write a note on packages in java. 4
- 19) a) Write a note on flow layout. 4  
b) Write a note on java swing. 4
- 20) a) Explain Binary I/O class. 4  
b) Write a note on exception handling in Java. 4



## SECTION – B

(4×8=32)