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**BSCCSC 381**

**Choice Based Credit System Sixth Semester B.Sc. Degree  
Examination, September 2022  
COMPUTER SCIENCE  
Object Oriented Programming with Java  
(2021 – 22 Batch Onwards)**

Time : 3 Hours

Max. Marks : 80

**Note :** Answer **any ten** questions from Part – **A** and **one full** question from **each** Unit of Part – **B**.

PART – A

(10×2=20)

1. a) List any four benefits of OOP.
- b) Write the meaning of System.out.println().
- c) What is dynamic initialization of variables ? Give example.
- d) What are classes and objects ?
- e) List and write the purpose of any two string methods.
- f) What is the purpose of finalize() in java ?
- g) What are abstract classes? Give example.
- h) List and write the purpose of any two built in exceptions.
- i) What are final variables ?
- j) What is the purpose of wait() and notifyAll() ?
- k) What is an applet ?
- l) What is the purpose of update() in applet ?

PART – B

**Unit – I**

2. a) Write any five differences between java and C.
- b) Explain labelled loops with suitable example.
- c) Explain different basic data types available in java.

(5+5+5)

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3. a) Explain different features of java.  
b) List and explain arithmetic and logical operators in java.  
c) Write a note on java streams. **(4+6+5)**

**Unit – II**

4. a) Explain different access modifiers in java.  
b) Explain how to pass variable length arguments with suitable example.  
c) What is constructor ? Explain with example. **(5+5+5)**
5. a) Explain the use of static methods with example.  
b) Explain method overloading with suitable example.  
c) What are arrays ? Explain how to declare, initialize and access one dimensional array with example. **(5+5+5)**

**Unit – III**

6. a) Explain single inheritance with example.  
b) Illustrate the use of finally with suitable example.  
c) Explain how to create and use a package in Java with example. **(5+5+5)**
7. a) Explain exception handling in Java with suitable example.  
b) List and explain different API packages available in java.  
c) Explain method overriding with suitable example. **(5+5+5)**

**Unit – IV**

8. a) Explain the process of creating a thread by implementing Runnable interface with suitable example.  
b) Explain how to pass parameters to an Applet with suitable example.  
c) List and explain any five thread methods. **(5+5+5)**
9. a) Write the complete Applet skeleton.  
b) Write a note on thread priority.  
c) List and explain the components of Delegation Event Model. **(5+5+5)**
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