

Roll No.

Exam Code : J-21

Subject Code—53895

B.C.A. EXAMINATION

(Batch 2018 Onwards)

(Sixth Semester)

CORE JAVA

BCA-361

Time : 3 Hours

Maximum Marks : 70

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. Attempt any *four parts* :

- (a) What is Object Oriented Programming ?
List important features of java.
- (b) Explain Automatic garbage collection.
- (c) What do you mean by Exception ?
- (d) What do you mean by stream benefits ?
- (e) Describe the life-cycle of threads in java.
- (f) What is hashing ?
- (g) What is reusing database object ?

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Unit I

2. Explain different operators and data types used in java programming.
3. Explain given control structures and control statement :
 - (i) If
 - (ii) While
 - (iii) Do while
 - (iv) For
 - (v) Switch
 - (vi) Break and continue.

Unit II

4. What do you understand by multilevel inheritance ? Write a program to demonstrate multilevel inheritance.
5. What do you know about packages ? How packages are created, imported and used ? Demonstrate with the help of an example.

Unit III

6. What is Multithreading ? How does java program implement multithreading in a program ?
7. (a) Write a program to show reading and writing information in file.
(b) Explain byte and character structure in java input-output programming.