

AT-445

BCA (Part-III) Semester—V Examination
CORE JAVA
Paper—5 ST 1

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) All questions are compulsory.

(2) All questions carry equal marks.

1. (a) Explain the primitive data types used in Java. 6
- (b) What is type casting ? Explain. 6

OR

2. (a) Write a program to display following pattern using command line argument :

1

1 0

1 0 1

1 0 1 0

1 0 1 0 1

6

- (b) Explain different features of Java programming language. 6

3. (a) State difference between method and constructor with example. 6
- (b) What is Inheritance ? Explain the different types of inheritance. 6

OR

4. (a) What is constructor ? Write a Java program to calculate the area of circle using constructor. 6

(b) Explain :

(i) sub class

(ii) super class.

6

5. (a) What is package ? Write a procedure to create a package. 6
 (b) What is partial implementation of interface ? Explain with example. 6

OR

6. (a) What is multiple inheritance ? Explain with example. 6
 (b) State and explain the difference between a class and interface. 6
 7. (a) What is threads ? How priorities can be assigned to a thread ? Explain. 6
 (b) Explain :
 (i) try block
 (ii) catch block. 6

OR

8. (a) What is exception ? Explain any five built-in exceptions in Java. 6
 (b) Explain any six methods of thread class. 6
 9. (a) Explain keyboard event and mouse event classes. 6
 (b) Explain any three graphic class method with example. 6

OR

10. (a) Write a program to display the following shape in applet. 6



- (b) What is Event ? Explain different types of events. 6