

Code : 303303**BCA 3rd Semester Theory Examination, 2017****Java Programming****3 Hrs****Full Marks : 60****Instructions :***The questions are of equal value.*

- 1) There are Seven questions in this Paper.
- i) Attempt Five questions in all.
- ii) Question Nos. 1 & 2 are compulsory.

Answer any six of the following:**2×6=12**

1. List various Literals in Java.
2. Explain Byte code concept of Java.
3. State the purpose of break and continue statements in java.
4. Define an applet.
5. Define an interface.
6. What is class path?
7. List the applet classes in java.
8. List the advantages of exceptions.
9. List any three methods of Frame class in Java.
10. List the different awt components in Java.

2. Answer any three of the following:

- (a) Explain data type conversion and casting feature with an example.
- (b) Explain use of command line arguments.
- (c) Explain for loop with an example.
- (d) Explain how variables are declared and initialized.
- (e) Explain briefly about access modifiers and their use.

Answer any three**3×12=**

3. Explain about abstract classes and abstract methods.
4. Explain life cycle of a Thread.
5. Explain about try-catch functionality in Exception Handling.
6. Explain various Stream Classes of Java.
7. Define Inheritance. Give various forms of Inheritance and write a Java program on single inheritance.

*********P.T.O.**