

Sub: Java/ Java Programming (BCA- 440-18/BCA-440-20/BCA-CS-440-20)

Time: 2.00 pm To 4.30 pm

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

1. In ----- year was the first version of Java released.
a)1991
b)1995
c)1998
d) 2000
2. JVM stand for -----
a)Java Version Machine
b) Java Virtual Mechanism
c) Java Verified Module
d) Java Virtual Machine
3. ----- is declaration of an array in Java.
a) int array Name;
b) int[] array Name;
c) int array Name[];
d) Both b and c
4. Two arrays are equal in Java are checked by -----
a)Use the == operator
b) Use the .equals() method
c) Use Arrays. equals() method
d) Compare each element one by one
5. ----- operators is used for concatenation of two strings.
a) +
b) *
c) &
d) +=

1. Object is the root class for all Java classes
2. Encapsulation is the process of combining data and methods into a single unit
3. The purpose of super keyword is to invoke the super class constructor or methods
4. Create new garbage values is called garbage collection
5. JRE stands do not stand for Java Runtime Environment

1. Name all Boolean logical operator.
2. What is Array?
3. What is Jump Statement?
4. What is packages?
5. What is throws?
6. What is Keywords?

Q. 4. Answer the following in detail (Solve any 6) (30)

1. What is a Multidimensional array?
2. What is Java Exception? Write in detail its type.
3. Explain String literal
4. Explain Applet architecture
5. Difference between AWT and Swings?
6. Explain History and Evolution of Java?
7. Explain about Thread Life Cycle.

Q. 5. Answer the following in detail (Solve any 1) (10)

1. Explain selection statements with syntax in detail
 2. Write in Detail about Swing Combo box
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