

ROLL No:

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Total number of pages: [1]

Total number of questions: 06

B.Tech. || CSE || 5TH Sem
Java Programming
Subject Code: BTCS E11A
Paper ID:

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (2×10)

Q. 1. Short-Answer Questions:

- (a) What is a bytecode?
- (b) Explain type casting in Java.
- (c) What is use of 'super' and 'this' in Java programming.
- (d) What is an abstract class?
- (e) Why do we need import statements in java programs?
- (f) What is a compound statement?
- (g) Differentiate between function overloading and overriding.
- (h) When do we declare 'final' method?
- (i) Explain '?' operator in Java.
- (j) What is interface?

PART B (8×5)

Q. 2. Explain different data types in Java.

Q. 3. What is 'Inheritance'. Demonstrate its usage with an appropriate example.

Q. 4. Explain concept of Exception handling in Java. How java programs handle multiple catch statements with one try statement.

Q. 5. What are Applets? Explain life cycle of Applets

OR

Explain any seven methods of String class.

Q. 6. Explain concept of 'Sockets', with an appropriate example to create client and server sockets.

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