**CLASS BCA/BA/PGDCA**

**Subject: Object oriented programming using JAVA/Web Technology (Question bank)**

* 1. What is Java? Explain the features of Java.
  2. Describe the Java environment.
  3. Explain the structure of Java program.
  4. Explain the data types available in Java.
  5. Explain type casting with example.
  6. Explain the scope of variable.
  7. List out the decision-making statements available in Java. Explain with example.
  8. List out the looping statements available in Java. Explain with example.
  9. Explain break and continue statements with example.
  10. List out the operators. Explain anyone in detail.
  11. Define class. How do classes help us to organize our programs? What are the three parts of a simple, empty class?
  12. What is a constructor? What are its special properties?
  13. Define inheritance. Describe different forms of inheritance.
  14. Explain super and final keyword with example.
  15. Describe the various forms of implementing interface. Give an example of JAVA code for each case.
  16. When do we declare a method or class abstract? Discuss with one Example.
  17. Write short note on method overloading and method overriding
  18. Explain Arithmetic Exception with an example.
  19. What is exception? Explain the syntax of try block and catch block with an example.
  20. Describe concept of stream.
  21. Explain Reader stream classes and Writer stream classes.
  22. Write a short note on Character Stream classes.
  23. List out any five methods of String class by giving an example.
  24. What is package? What are the benefits of package? Explain Java API packages.
  25. Describe the try and catch statements in detail.
  26. Explain the concept of AWT with the help of example?
  27. What do you understand by Applets? Why applets are used in JAVA and what is difference between local and Remote applet.
  28. What is a thread? Explain with examples.
  29. Explain the various types of Layout in java?
  30. What do you understand by Event handling in java? Exalain various listener in java Programming