1. D.   This program will not compile.

2. D. Program will not compile successfully.

3. D.   12 16 24 28.

4. B.   Program will not compile successfully.

5. B.   Program will display 2 0 1 2 3 0 1 2 3.

6. A. Both options let the program be successfully compiled. The program will print 10 in both the cases.

7. B.   ArithmeticException, ArrayIndexOutOfBoundsException, C. RuntimeException.

8. D. if(true) { } else { } is legal statement.

9. . B. Switch cannot evaluate float value .

10. D. A switch...case can be nested like nested if...else.

11. B. Program results in an endless loop.

12. C. Program will not compile because loop b is syntactically incorrect.

13. A. Statement 1 and 3 are correct.

14. B. Program will displayed 1 and 0 as an output

D. Program will displayed 2 and 0 as an output

 F. Program will displayed 2 and 1 as an output.

15. C. int min (if (k < l) { return k; } else { return l; }

16. C. Program will display 2 , 4 as an output.

17. A. Divided by 0, Try again, and Outer Try.

18. B. NullPointerException is thrown when an object is trying to be accessed through a null object reference.

19. A. Program will not compile successfully.

20. B. 6 6 6 6 6, Statement out of the try block.

21. B. assert (x>y);

22. D. Program will generate the AssertionError error.

23. A. 3 + 2 = 5   B.   3 + 3 = 6   D.   4 + 2 = 6.

24. B. for (int j=3; j/2==1; j++)

 D. int k, j; for (j=3, k=2; k==j-1; k++, j--)

25. B. The program displays 2 4 0 12.

26. C. Program will print 4.

27. B. Program will display Not Equal .

28. A. Program will display True.

29. C. Program will not compile successfully.

30. B. Program will display a Y.

31. B. Program will display 8 8 5.

32. C. Program will display Java.lang.ArithmeticException: / Zero and Arithmetic Exception / 0.

33. A. Program will display 2 2 2 ArrayIndexOutOfBoundsException.

34. C. Program will generate Compile time error .

35. B. Program will not compile successfully.

36. C. Program will generate Compile time error .

37. C. Program generates Compile time error.

38. B. Program generates compile time error.

39. B. Program will display 0
java.lang.ArrayIndexOutOfBoundsException.

40. D. Program will handle ClassCastException exception and Hello .

41. B. Program generates compilation Error.

42. B.   FileNotFoundException.

43.   B.   char k= (char) 65

 C. chark='A'