

Annual Examination (2023-24)

Class- IX

Computer Applications

Time- 2 hours.

Marks- 80

This paper is divided into two sections.

Attempt all questions from section A and any four questions from section B

[Section- A]

Multiple Choice Questions (Question No. 1 to 10)

[10]

1. An _____ is an instance of class.
 - a. Class
 - b. Object
 - c. BlueJ
 - d. Inheritance
2. Which keyword is used while declaring constant?
 - a. Final
 - b. Const
 - c. Int
 - d. None
3. The statements which are not executed in program, called _____.
 - a. Sequential
 - b. Comments
 - c. Conditional
 - d. None of these
4. The _____ method is used to input an integer data using Scanner class.
 - a. nextInt()
 - b. nextFloat()
 - c. nextInteger(0
 - d. next()
5. Method used to find square root of a number in java is _____.
 - a. Math.cbrt()
 - b. Math.sqrt()
 - c. Math.pow()
 - d. Math.round()
6. The _____ statement is an optional statement in switch case.
 - a. Switch
 - b. Case
 - c. Default
 - d. None of these
7. The _____ loop is used for a known number of iteration?
 - a. While
 - b. For
 - c. Do-while
 - d. None
8. _____ loop is endless loop.
 - a. For
 - b. Empty
 - c. Infinite
 - d. All of above

9. When one loop is inside the body of another loop, it is called a _____ loop?
- Empty
 - Infinite
 - Nested
 - None
10. _____ are unwanted bulk emails that come from any unknown sources
- Phishing
 - Spams
 - Virus
 - Worms

[5 x 2 = 10]

Short Answer Type Questions (Question No. 11 to 15)

- Write the syntax of while loop with example.
- Who are the hackers?
- Write a program segment to show use of continue statement in nested loop.
- Describe the use of break statement in switch case statement.
- Write the syntax of if-else and if-else-if statements.

[Section-B]

Note- Attempt only four questions

[4 x 15 = 60]

- Write a program to enter number of days. Use the switch case statement to input an option and convert it into weeks, months, or year.
 7 days= 1 week
 30 days= 1 month
 365 days= 1 year
- Write a program to input a year and determine if it is a leap year or not.
- Write a program to find sum of even numbers from 1 to 100.
- Write a program to print first 15 terms of the following series.
 0, 7, 26, 63, 124, _____
- Write a program to print the following pattern.
 5
 5 4
 5 4 3
 5 4 3 2
 5 4 3 2 1
- Write a program to print the following pattern.
 ABCD
 ABCD
 ABCD
 ABCD