Computer Test

Max. Time: 60 min   **Max. Marks: 50**

Attempt All Questions

1. What is Blue J?   **[1]**
2. What is the use of import keyword in JAVA?   **[1]**
3. What is the disadvantage of Ladder if-else?   **[1]**
4. What is an infinite loop? Give example.   **[1]**
5. Using ternary operator, print "Hello" when *g* is 'human' otherwise print "Bye".   **[1]**
6. Explain *Dangling Else* condition.   **[1]**
7. Define Encapsulation.   **[1]**
8. What are *Operators* and *Operands*?   **[1]**
9. Differentiate between *POP* and *OOP?*   **[1]**
10. Evaluate: 19>>4   **[1]**
11. What are *Iterative Constructs*? Name the different types of constructs?   **[2]**
12. Give Output for the following statements:
    ```
    for(i=1;i<=5;i++)
    {
    System.out.println(i);
    System.out.print(i);
    }
    ```
    [2]
13. Give Output for the following statements:
    ```
    if(x==5)
    {
    System.out.println("Hi");
    }
    else
    {
    System.out.println("Bye");
    }
    ```
    [2]
14. What makes JAVA, WORA feature enabled?   **[2]**
15. What are the differences between *Switch* and *Multiple if-else*? **[2]**

Attempt any five [5]
5 marks each

1. WAP to input an alphabet and print its respective position as in English Vocabulary.
2. WAP to input type of accessories & the price of accessory and print its discount & net amount.

	Headphone	Watch	Speaker
Less than or equal to ₹ 1000	10%	8%	12%
Less than or equal to ₹ 2000	20%	15%	22%
More than ₹ 2000	20% + ₹ 300	15% + ₹ 500	22% + ₹500

*Additional GST 18% on the discounted price.

3. WAP to print *n* terms of Fibonacci series.
4. WAP to print the sum of series:
    $$S = x - \frac{2}{x^2} + \frac{x^3}{3} - \frac{4}{x^4} + \dots \ n \ terms$$
5. WAP to input three numbers and print them in ascending order.
6. WAP to input a number & check whether it is Armstrong or not.