

**Note- Attempt all questions carefully.**

1. What is Phishing? 1
2. What are the three types of Language Processor? 1
3. What is Unicode? 1
4. What is type Casting? 1

**OR**

Name the function that tells the data type of an object.

5. What is Variable? 1
6. What is Function? 1
7. What is Dynamic typing? 1
8. Name any 2 temporary storage devices of the computer? 1
9. What is Tokens? 1
10. What is Pseudocode? 1
11. Define Computer & its Components. 2
12. Write a program to swap two numbers using a third variable. 2
13. Write a program to find average of three number. 3
14. What is RAM and why is it used? 3
15. Draw a flow chart to add two numbers along with algorithm in simple English. 3

**OR**

Write a Program of Fibonacci Series.

16. Draw a flowchart to determine the larger of two numbers, along with algorithm in simple English. 3
17. Different between Compiler and Interpreter. 2

**OR**

What is Identify fraud?

18. What is an Operating System and its functions? 3
19. What is Logic Gate? Name he three basic logic gates with symbols? 3
20. What is a Memory? Define its types. 3

**OR**

What are nested Lists?

21. What is Debugging? How many types of errors? 2

22 Write a program to find factorial of any given number. Factorial of number 5 is 120 (factorial =  $5 \times 4 \times 3 \times 2 \times 1$ ). Consider the following example: 3

23. What are Operators? Define types of Operators. 3

24. How is Pharming similar to and different from Phishing? 2

25. What will be the output produced by following code? 3

**Print(13+4)**

**Print('12'+ '3')**

26. Design a circuit to realise the following :

3

$$F(a,b,c) = A'B + AC' + BAC$$

**OR**

**Predict the output of following:**

$$x, y = 7, 2$$

$$x, y, x = x+1, y+3, x+10$$

print (x,y)

27. State and Prove the DeMorgan's Theorem.

3

28. Prepare a table of combination for the following Boolean logic expressions / ( Truth Table).

3

(a)  $X' + YZ$

(b)  $XY' + X'Y$

**OR**

Write a Programme to print following using a single loop (no nested loops)

1  
11  
111  
1111  
11111

29. Do the following conversions from decimal number to the other number system.

3

(a)  $(534)_{10} - ( )_2$

(b)  $(33)_{10} - ( )_8$

(c)  $(11111111)_2 - ( )_{16}$

30. What are state signify?

2

**OR**

What do you mean by a Trojan?

31. Try the following conversions.

2

(a)  $(7C)_{16} - ( )_{10}$

(b)  $(1010110)_2 - ( )_{10}$

32. What is the function of Memory? What are its measuring Units.?

1

**OR**

Write a programme to print some of natural numbers b/w 1 to 7.

33. What is Cyber bullying and Cyber stalking?

3

**OR**

What is Software ? Define types of software.