

VVM's  
R. M. Salgaocar Higher Secondary School  
Margao Goa  
First Term Examination, October 2025  
Sub: Software Technology

Std: XI (CT)

Date: 9/10/2025

Mrks: 40

Time: 2 hr.

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**INSTRUCTIONS:**

1. All questions are compulsory.
  2. There are three sections in this question paper (A, B, C & D)
  3. In section A there are four questions of which:
    - a) question no. 1 & 2 are multiple choice questions.
    - b) question no. 3 & 4 is to be answered in a sentence.
  4. Figures to the right indicate mark allotted to each questions.
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**SECTION A**

- Q1. The language processor that translates complete source code into object code is \_\_\_\_\_ (01)
- a) Assembler
  - b) Compilor
  - c) Interpreter
  - d) Dividor
- Q2. An operating System where users can communicate with each other is \_\_\_\_\_ (01)
- a) Real time operating system
  - b) Time sharing operating system
  - c) Single user Operating system
  - d) Multi user Operating system
- Q3. Every Variable in Python has \_\_\_\_\_ (01)
- a) Number
  - b) Data type
  - c) Sequence
  - d) Tuple
- Q4. Python Programming Language was released in the year \_\_\_\_\_ (01)
- a) 1990
  - b) 1992
  - c) 1991
  - d) 1993
- Q5. What is Selective statement in Algorithm? (01)
- Q6. What is Complex numbers in Integer data type. (01)

**SECTION B**

- Q7. What is System Software? (02)
- Q8. Differentiate between flow chart and algorithm. (02)
- Q9. Write a short note on Language Processor. (02)
- Q10. State any four features of Python Programming. (02)
- Q11. Draw a flow chart to print largest of three number. (02)

### SECTION C

Q12. Explain different symbols used in flow chart. (03)

Q13. Write the output of the following program. (03)

```
N=int(input("Enter the value for N"))
Num=4
Print("The number ")
While Num<=N:
    Print(Num)
    Sum=sum+Num
    Num=Num+3
```

Q14. Explain three types of Sequence data type. (03)

Q15. Identify the error from the following code and rewrite the code: (03)

```
Num1=int(input("Enter the value"))
Num2=int(input("Enter the value"))
Num3=int(input("Enter the value"))
If Num1>Num2:
    If Num1>Num3:
        Print("The value is", Num3)
    Else:
        Print("The value is", Num1)
elif Num1<Num3:
    print("The value is", Num2)
elseif:
    print("The value is", Num3)
```

### SECTION D

Q16. Explain four different types of Operating System. (04)

Q17. Explain Assignment operator. (04)

Q18 a). Write a program to print sum of even and odd numbers separately from N inputed number. (04)

OR

b) Write a program to print only even numbers from N inputed number.