

9. **Assertion (A):** ROM is a volatile memory.

Reason (R): ROM stores data temporarily and is erased when power is off.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

10. **Assertion (A):** The WHILE loop is an entry-controlled loop in Python.

Reason (R): A WHILE loop executes the body of the loop at least once before checking the condition.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

Section B ((Each question carries 2 marks))

11. Explain the following terms in excel:

- a. Column
- b. Cell address
- c. Range
- d. Cell

12. Differentiate between **Primary Memory and Secondary Memory**.

13. Explain **Cell Referencing in Excel** and write about any two types of cell referencing with examples.

14. Write a Python program to input any number and check it is positive number, negative number or neutral number.

15. Write a simple Python program to print table of any inputted number using while loop.

Section - C ((Each question carries 3 marks))

15. What are different **types of software**? Explain any one type of software,

16. What are the different components of a **chart in Excel**? Explain them.

17. Write a Python program to input five numbers and the sum of all the numbers.

18. Define List in Python also Write a Python program to store a list of five numbers and display it.

19. Write a simple Python program to print even numbers from 1 to 10 using a for loop.

20. Explain the use of following function in Python with a suitable example

- a. `append()`
- b. `sort()`

21. Write a Python program to input any number and find the factorial of it.

OR

Write a Python program to separates even and odd numbers from a list

Section - D

case study (4marks)

22. Carefully observed the following worksheet and answer accordingly.

	A	B	C	D	E
1	Name	No. calls	Hours worked	Calls per Hour	Bonus
2	Angus	42	5		
3	Penelope	6	4		
4	Jethro	39	6		
5	Mirabelle	15	6		
6	Ophelia	2	7		
7	Horatio	91	6		
8	TOTAL				
9					

Write formula /function for the following calculation

- a) Calculate calls hour by dividing No. calls by hours worked.
- b) Calculate bonus 7% of calls per hours if call per hour is more 5 otherwise make it zero.
- c) Find Total under each column.
- d) Identify the person with highest and lowest bonus.

*******All the Best*******