



**SUMMATIVE ASSESSMENT - FIRST TERM**

**COMPUTER SCIENCE**

**Max. Marks: 50**

**Std - VII**

**Time: 2 Hr**

<b>Name of the School:</b> <hr/>	<b>Name of the Student:</b> <hr/>
<b>Place:</b> <hr/>	<b>Roll No.:</b> <hr/>

**I. Choose the correct answer:**

**5 x 1 = 5**

1. The speed of a CPU chip is measured in \_\_\_\_\_.  
 a. Mega Hertz                      b. Giga Hertz                      c. both a and b
2. A \_\_\_\_\_ is also known as a base unit  
 a. system unit                      b. input unit                      c. output unit
3. The term memory usually refers to the \_\_\_\_\_ of the computer.  
 a. software                      b. hardware                      c. courseware
4. \_\_\_\_\_ is the systematic search for the sources of a problem.  
 a. Port                      b. Troubleshooting                      c. Virtual memory
5. Logical functions provide \_\_\_\_\_ tools for information in spreadsheet.  
 a. decision making                      b. calculation                      c. information

**II. Fill in the blanks:**

**5 x 1 = 5**

6. \_\_\_\_\_ is a permanent type of memory storage used by the computer.
7. Ports can be divided into \_\_\_\_\_ and \_\_\_\_\_
8. The \_\_\_\_\_ port is often called the mouse port.
9. Write an AND formula \_\_\_\_\_.
10. The \_\_\_\_\_ function is the logical function used for decision making.

**III. Expand the following:**

**5 x 1 = 5**

11. BIOS - \_\_\_\_\_
12. VGA - \_\_\_\_\_
13. USB - \_\_\_\_\_
14. PS/2 - \_\_\_\_\_
15. UPS - \_\_\_\_\_

**IV. Answer the following: (Any 5)**

**5 x 2 = 10**

- 16. What is virtual memory?
- 17. What is a system unit?
- 18. What is an expansion card?
- 19. What is a port?
- 20. Write a formula for the OR function.
- 21. Write a formula for the nested IF function.
- 22. What is caching?

**V. Answer in detail: (Any 2)**

**2 x 5 = 10**

- 23. List out some instructions to troubleshoot a computer.
- 24. Describe a CPU and its units.
- 25. Describe the steps involved in nesting an AND, OR Function in an IF function.

**VI. 26. Draw a mind map on different types of memory:**

**1 x 5 = 5**

**VII. Answer the following question:**

**2 x 5 = 10**

- 27. a) Write an AND formula to determine if A2 > A3 and A2 > A4 is a true or false statement.
- b) Write an OR formula to determine if A2 > A3 or A2 > A4 is a true or false statement.

	A	B
1	The Data	
2	15	
3	9	

- 28. Write IF statements to calculate the cost of the quantities of olive oil listed in cells A5, A6, and A7.

	A	B
1	Cost/gallon for the first 500 gallons	\$23
2	Cost/gallon for gallons above 500	\$20
3	Number of gallons:	
4	10	
5	483	
6	500	
7	1,600	

The syntax of Excel's IF function is:

= IF (condition – to – test, value – if – condition – true, value – if – condition – false)

For example, a formula to find the cost for 10 gallons of olive oil is:

= IF (A4<=500,B1\*A4, 500\*B1+(A4 – 500)\*B2)

- a. Write a formula to find the cost of 483 gallons.
- b. Write a formula to find the cost of 500 gallons.