

Total Marks - 30

1. Which of the following components is the main memory of computer?  
a) CD    b) DVD    c) Internal hard drive    d) RAM
2. The physical component of a computer are called-----  
a) Software    b) Hardware    c) ALU    d) CPU
3. Which of the following is available without any payment?  
a) Freeware    b) Free software    c) OSS    d) Hard disk

**Fill in the Blanks**

4. The \_\_\_\_\_ memory is special high-speed memory storing the most recently accessed data.
5. Antivirus software is a type of .....
5. Windows OS is type of .....

**Short Answer Questions / Conceptual Questions.**

7. What is the function of memory? What are its measuring units?
8. Give example for each system software and application software. Explain the function of each type
9. What is the difference between RAM and ROM?
10. What is cache memory? Why is it considered crucial for a microprocessor's performance?
11. What is the difference between an interpreter and a compiler?
12. Describe the terms free software and open software.
13. Convert following into bytes.  
a) 2MB    b) 3.7GB    c) 1.7 TB
14. Identify the category (system, application, programming tool) of the following software.  
a) compiler    b) Assembler    c) Ubuntu    d) Text editor.
15. Mention any browsers used for browsing the internet.

**Part - B**

**Question 16:** Write down the type of memory needed to do the following:

To store data permanently

To execute the program

To store the instructions which cannot be overwritten.