

**SRI ANKARA MATRIC HR SEC SCHOOL – ODUGATHUR****STD : XI – C****COMPUTER APPLICATION****TIME : 3.00 HOURS****MARK : 70****PART – A****CHOOSE THE CORRECT ANSWER :-****15X1=15**

1. First generation computers used \_\_\_\_\_. A) Vacuum tubes    b) Transistors  
c) Integrated circuits    d) Microprocessor
2. Name the Volatile Memory.    a) ROM    b) PROM    c) RAM    d) EPROM
3. Which one of the following is the main memory ?    a) ROM    b) RAM    c) Flash Drive  
d) Hard disk
4. Which generation of computer used IC's ?    a) First    b) Second    c) Third    d) Fourth
5. Which refers to the number of bits processed by a computer's CPU ?  
a) Byte    b) Nibble    c) Wordlength    d) Bit
6. Which is the fastest memory ?    a) Hard disk    b) Main memory    c) Cache memory  
d) Blue-Ray disk
7. How many bits constitute a word ?    a) 8    b) 16    c) 32  
d) Determined by the processor used
8. Computer organization deals with \_\_\_\_\_.  
a) Input /Output devices    b) CPU    c) Storage and Primary Memory    d) All of these
9. Expand MDR \_\_\_\_\_.    a) Memory Data Register    b) Memory Data Register  
c) Memory Datum Register    d) Main Data Register
10. Expand GUI \_\_\_\_\_.    a) Graphical User Input    b) Graphical User Information  
c) Graphical User Interface    d) Graphical Usage Interface
11. The number of components in CPU is \_\_\_\_\_.    a) 3    b) 4    c) 5  
d) Only one
12. The ALU operation that promotes the Decision – Making ability of a computer is \_\_\_\_\_.  
a) Binary    b) Arithmetic    c) Logical    d) Assignment
13. The unit which controls the flow of data between the components of CPU is \_\_\_\_\_.  
a) ALU    b) Memory Unit    c) Control Unit    d) I/O Unit
14. The entire operation of a computer is controlled by \_\_\_\_\_.  
a) ALU    b) Control Unit    c) I/O Unit    d) Memory Unit
15. The memory unit consists of kinds of memory .  
a) Two    b) Three    c) Five    d) More than five

**PART – B**

**ANSWER ANY SIX QUESTIONS . Q .NO :21 IS COMPULSORY .**

**6X2=12**

- 16.What are the components of a CPU ?
- 17.What is the function of an ALU ?
- 18.Write the functions of control unit ?
- 19.What is the function of memory ?
- 20.What is Data ?
- 21.Convert  $(46)_{10}$  into Binary number .
- 22.What is a program counter ?
- 23.Which source is used to erase the content of a EPROM ?
- 24.Distinguish Primary and Secondary Memory?

**PART – C**

**ANSWER ANY SIX QUESTIONS . Q .NO : 28 IS COMPULSORY .**

**6X3=18**

- 25.What are the characteristics of a computer .
26. What is an input device ? Give two example .
- 27.Differentiate Optical and Laser Mouse .
- 28.Write the significant features of Monitor ?
- 29.What is radix of a number system ? Give example .
- 30.Convert  $(150)_{10}$  into Binary ,then convert that Binary number to octal .
31. Differentiate computer Organisation from computer Architecture .
- 32.Differentiate PROM and EPROM .
- 33.Write the two basic types of RAM..

**PART- D**

**ANSWER ALL OF THE FOLLOWING QUESTIONS :-**

**5X5=25**

- 34.Explain the basic components of a computer with a neat diagram .

(or)

How the read and write operation are performed by a processor? Explain .

- 35.Discuss the various generation of computer .
36. Convert to
  - i) Binary to Decimal  $\rightarrow (1101)_2 = ?$
  - ii) Hexadecimal to Decimal  $\rightarrow (25)_{10} = ?$
  - iii) Decimal to Octal  $\rightarrow (65)_{10} = ?$
  - iv) Decimal to Binary  $\rightarrow (150)_{10} = ?$
  - v) Octal to Decimal  $\rightarrow (547)_8 = ?$

- 37.Arrange the memory devices in ascending order based on the Access time .

- 38.Explain the type of ROM ?

**☺ ALL THE BEST ☺**

**E. KARTHEEBAN.,M.C.A.,B.Ed.,  
COMPUTER INSTRUCTOR  
SRI SANKARA MATRIC HR SEC SCHOOL ,  
ODUGATHUR – VELLORE (DIST)  
PH.NO: 7695848101 / 9597672292**

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