

SRI ANKARA MATRIC HR SEC SCHOOL – ODUGATHUR

STD : XI – A₁

COMPUTER SCIENCE

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. Which generation of computer used IC' s ? a) First b) Second c) Third d) Fourth
3. Which refers to the number of bits processed by a computers CPU ?
a) Byte b) Nibble c) Word Length d) Bit
4. How many bytes does 1 kilobyte contain ? a) Byte c) Nibble c) Word length d) Bit
5. 2^{50} is referred as _____. a) Kilo b) Tera c) Peta d) Zetta
6. For 11012 what is the Hexadecimal equivalent _____. a) F b) E c) D d) B
7. What is the 1's complement of 00100110 ?
a) 00100110 b) 11011001 c) 11010001 d) 00101001
8. Which amongst this is not an octal number ? a) 645 b) 234 c) 876 d) 123
9. Which of the following is said to be the brain of a computer _____.
A) Input device b) Output device c) Memory device d) Microprocessor
10. Which of the following is not the part of a microprocessor unit _____.
A) ALU b) Control Unit c) Cache Memory d) Register
11. How many bits constitute a word _____. a) 8 b) 16 c) 32
d) Determined by the processor used
12. Which of the following device identifies the location when address is placed in the memory register.
a) Locator b) Encoder c) Decoder d) Multiplexer
13. Which is the fastest memory _____. a) Hard disk b) Main memory
c) Cache Memory d) Blue –Ray Disk
14. How many memory locations are identified by a processor with 8 bit address bus at a time _____.
a) 28 b) 1024 c) 256 d) 8000
15. Period of fourth generation _____. a) 1971-1980 b) 1956-1964 c) 1940-1956
d) 1964-1971

PART – B

ANSWER ANY SIX QUESTIONS . Q .NO : 20 IS COMPULSORY . 6X2=12

- 16.What is Computer ?
- 17.Distiniguish between Data and Information .
- 18.What is Data ?
- 19.Write the 1's complement procedure ?
- 20.Convert $(46)_{10}$ into Binary number ?
- 21.What are the parameters which influence by the characteristics a Microprocessor ?
- 22.What is an Instruction ?
- 23.Which source is used to erase the content of a EPROM ?
- 24.Write the different types of Number System ?

PART – C

ANSWER ANY SIX QUESTIONS . Q .NO : 28 IS COMPULSORY . 6X3=18

- 25.What are the characteristics of a Computer ?
- 26.Write the applications of Computer?
- 27.What is radix of a number System ? Give example.
- 28.Convert $(150)_{10}$ into Binary , then convert that Binary number to octal .
- 29.Differentiate PROM and EPROM .
- 30.How will you differentiate a Flash Memory and EEPROM?
- 31.Write down the classification of microprocessors based on the instruction set .

PART- D

ANSWER ALL OF THE FOLLOWING QUESTIONS :- 5X5=25

- 32.Discuss the various Generation of Computer.
- 36.Write the procedure to convert fractional Decimal to Binary :-
 $(98)_{10} = ?_2$
- 37.Explain the characteristics of a Micro processor.
- 38.Arrange the memory devices in ascending order based on the access time .
- 39.Explain the types 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**

SANKARA
www.Padasalai.Net