Name :   Exam No :

PADASALAI CREATIVE QUESTION PAPER JUNE 2018

SUB	:	**Computer Science**		**MARKS**	:	**50**
STD	:	XI	**Mid-Term Test**	**TIME**	:	**1½Hr**

I) Choose the correct answer: 10 x 1 = 10

1. Which one of the following is the main memory?
    a. ROM   b. RAM   c. Flash drive   d. Hard disk
2. In ATM machines, which one of the following is used to _____.
    a. Touch Screen   b. speaker   c. Monitor   d. Printer
3. Expand POST
    a. Post on self Test   b. Power on Software Test
    c. Power on Self Test   d. Power on Self Text
4. The most commonly used numbering system is the _____ system.
    a. Binary   b. Decimal   c. Octal   d. Hexadecimal
5. The right most bit in the binary number is called as _____.
    a. LSB   b. SLB   c. MSB   d. LMB
6. The ASCII value range for the upper case alphabets is _____.
    a. 0 – 48   b. 97 to 122   c. 0 – 127   d. 65 to 90
7. NAND is called as _____ Gate.
    a. Fundamental Gate   b. Derived Gate
    c. Logical Gate   d. Electronic Gate
8. How many bits constitute a word?
    a. 8   b. 16
    c. 32   d. determined by the processor used
9. Which of the following is a CISC processor?
    a. Intel P6   b. AMD K6   c. Pentium III   d. Pentium IV
10. What is the capacity of 12cm diameter DVD with single sided and single layer?
    a. 4.7GB   b. 5.5GB   c. 7.8GB   d. 7.2GB

II) Answer Shortly: (Any 5) Q.No 14 Compulsory.   5 x 2 = 10

11. Distinguish between Data and Information.
12. Write about Memory Unit / Storage Unit.
13. Convert $(256)_{10}$ into Binary numbers.
14. Write Truth table of XNOR gate.
15. Write down the classifications of microprocessors based on the instruction set.
16. What are the parameters which influence the characteristics of microprocessor?
17. Differentiate CD and DVD.

III) Answer Briefly: (Any 5) Q.No 21 Compulsory.   5 x 3 = 15

18. Write about Arithmetic and Logic Unit.
19. Write the Generation of Computer.
20. Write a short note on ISCII.
21. Draw circuit of NOR gate and write the Truth table.
22. What is Boolean Algebra?
23. How will you differentiate a flash memory and an EEPROM?
24. Draw the block diagram of a microprocessor based system.

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IV)   Explain in Detail: 3 x 5 = 15

25.   Explain the Generation of Computer.
                    (or)
       Explain the Components of a Computer.
26.   Explain the fundamental gates with expression and truth table.
                    (or)
       What is number system? Describe different number system in detail.
27.   Explain the characteristics of a microprocessor.
                    (or)
       Explain the Types ROMs.

**** All the Best ****

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