Padasalai's - COMPUTER SCIENCE	Marks : 50
Std : XI *Ln-3 Computer Organization*	Time : 1.30 hrs

I. Choose the correct answer: 15x1=15

1. Which deals with the hardware components that are transparent to the programmer?
   - a) Computer architecture
   - b) Computer specification
   - c) Computer organization
   - d) computer programming

2. Which is used to hold the instruction and data for the execution of the processor?
   - a) ALU
   - b) Control unit
   - c) Registers
   - d) Program counter

3. Which is used to measure the speed of computer processors?
   - a) Byte
   - b) Clock speed
   - c) Hertz
   - d) Word size

4. A command which is given to a computer to perform an operation on data is called
   - a) Microprocessor
   - b) Registers
   - c) Instruction
   - d) Process

5. Which of the following device identifies the location when address is placed in the memory address register?
   - a) Locator
   - b) Multiplexer
   - c) Encoder
   - d) Decoder

6. Which operation transfers the data from word to memory data register?
   - a) Write
   - b) Access
   - c) Read
   - d) Append

7. Which is RISC?
   - a) Pentium
   - b) Intel P6
   - c) Motorola 68000
   - d) Pentium III

8. Which is the smallest unit of information that can be stored in the memory is called
   - a) Byte
   - b) Bit
   - c) Nibble
   - d) None of these

9. Which is the fastest memory?
   - a) Hard disk
   - b) Main memory
   - c) Cache memory
   - d) Blu-ray disk

10. Which refers to how quickly the memory can respond to a read/write request?
    - a) Read time
    - b) Write time
    - c) Access time
    - d) Request time

11. Which is the smallest size of data represented in a CD?
    - a) Blocks
    - b) Pits
    - c) Sectors
    - d) Tracks

12. The 8 cm DVD has _____ capacity.
    - a) 700 MB
    - b) 8.5 GB
    - c) 1.5 GB
    - d) 50 GB

13. Which is flash memory device?
    - a) Hard disks
    - b) Memory cards
    - c) Pen drives
    - d) Both b and c

14. Blu-ray uses a _____ to write.
    - a) Red laser
    - b) Ultra violet rays
    - c) Electrical charge
    - d) Blue-violet laser

15. Display devices are connected to the computer through
    - a) USB port
    - b) Ps/2 Port
    - c) SCSI port
    - d) VGA connector

II. Answer any 5 questions. Q.No.19 is compulsory.   5x2=10

16. Write a note on clock speed.

17. What is program counter?

18. Arrange the memory devices in ascending order based on the access time.

19. Differentiate the types of RAM.

20. Write about compact disc.

21. Classify the microprocessor based on the size of the data.

III. Answer any 5 questions. Q.No.25 is compulsory.   5x3=15

22. Write a note on word size.

23. Explain the classifications of microprocessors based on the instruction set.

24. Write about blu-ray disk.

25. Write about the types of accessing methods to access the memory.

26. Write about Digital Video Disc.
27. How will you differentiate a flash memory and an EEPROM?

IV. Answer the following questions: 2x5=10

28. Explain the types of ROM.

(OR)

Write a note on   i) Cache memory   ii) RAM   iii) Hard disks
29. How the read and write operations are performed by a processor? Explain.

(OR)

Explain various ports and interfaces.

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