CSE | LIB | QP | VI | R601 | MAY-12

G 1424 (Pages : 2) Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2012

Sixth Semester

Branch : Computer Science and Engineering

PC AND PC BASED SYSTEM (R)

(Regular/Improvement/Supplementary)

Time : Three Hours Maximum : 100 Marks

Part A

Answer **all** *the questions.*
Each question carries 4 *marks.*

1. What is linear mode power supply ? Explain in detail.
2. Define and explain the parameters of power supply.
3. Explain the principle of magnetic data storage.
4. What is ultra DMA ? Explain in detail.
5. Explain the principle of CD-RW in detail.
6. Define and explain (1) Constant linear velocity ; (2) constant angular velocity.
7. Define and explain (1) Cache memory : (2) video memory.
8. Give an account on 'Advanced memory technologies.
9. Explain the USB standards in detail.
10. Give an account on 'EIDE'.

(10 × 4 = 40 marks)

Part B

Answer **all** *questions.*
Each question carries 12 *marks.*

11. Draw a neat block diagram of SMPs and explain its function in detail.

Or

12. Explain the need for slots and connectors in personal computers.
13. Explain in detail the disk magnetic properties.

Or

14. Explain the following in detail : (1) Disk formatting ; (ii) CHS addressing. (6 + 6 = 12 marks)

Turn over

15. Explain the principle of holographic storage in detail with neat sketches.

Or

16. Give an account on : (1) RAID ; (2) CDROM ; (3) Buffers. (3 × 4 = 12 marks)

17. Explain the structure of SRAM and DRAM with neat diagrams.

Or

18. Explain the extended expanded and cache memories in detail.

19. Explain the need for communication ports in detail with neat sketches.

Or

20. Write technical notes on : (1) AGP ; (2) ATA.

[5 × 12 = 60 marks]