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**Question Paper Code : 11285**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Seventh Semester

Electronics and communication Engineering

080290063 — COMPUTER HARDWARE AND INTERFACING

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Mention the various modes of CPU.
2. What is meant by memory packages?
3. List the types of printer.
4. What are the uses of graphics controller?
5. Define the terms low level and high level formatting.
6. What is meant by WORM?
7. List the services of operating systems.
8. What is meant by work stations?
9. Mention the main units in Bus Interface Unit.
10. Write the two critical performance techniques in RISC.

PART B — (5 × 16 = 80 marks)

11. (a) Describe the concepts of modern CPU. Explain the architectural performance features of CPU briefly.

Or

- (b) Illustrate the logical memory Organizations. types and techniques of memory in detail.



12. (a) Explain the principles of CRT controller in detail.

Or

(b) Describe in detail about the interfaces of keyboard and mouse elaborately.

13. (a) Discuss the principles, disk drive types for magnetic storage devices in detail. Discuss the concept of data recording briefly.

Or

(b) Write the basic principles of optical disks. What is RAID? Discuss the various types of RAID elaborately.

14. (a) Explain the architecture of Personal Computer. What is POST?

Or

(b) What is network? Discuss the types of networks in detail. Explain the various topologies used in LAN and WAN.

15. (a) Explain the concepts of RISC and CISC. Write the drawbacks of CISC.

Or

(b) Describe the communication systems, plug and play systems in detail.

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