

Paper Code: 13508

1508

B.sc. (Computer Science) (Part 1)

Examination, 2014

Paper No. 3.2

COMPUTER AND PERIPHERAL DEVICES

Time: Three Hours] [Maximum Marks: 33

Note: Attempt five questions in all section one question from each Section.

Section-A

1. (a) Draw and explain the block diagram of computer.
(b) How can one solve a decision making problem with the help of computer? Explain.
2. Enumerate and explain three input devices and three output devices.

Section-B

3. Draw a neat diagram to represent memory hierarchy, also explain each component of it.
4. Differentiate between the following:
 1. Hit ratio and Page fault.
 2. RAM and ROM
 3. Auxiliary memory and Associative memory

Section-C

5. (a) Explain the function of Operating System.
(b) Define the following: <http://www.mjpruonline.com>

Formatting

Partitioning of hard disk

6. Explain the following:
 1. Batch operating system
 2. Multiprocessing operating system
 3. Time sharing operating system

Section-D

7. (a) Discuss various design issues of Processor.
(b) Discuss the following:
 1. Ultra SPARC-II
 2. Pentium-II
8. Differentiate the following:
 1. Uni processor vs. Multiprocessor
 2. Scalar vs. Vector
 3. Symmetric vs. Asymmetric processor

Section-E

9. Define and enumerate the characteristics of the following motherboard:

Intel 810 and Intel 815

Discuss various slots of motherboard

10. (a) Compare and contrast between serial and parallel ports.
(b) Write short notes on the following:
 1. SCSI hard disk
 2. DOS

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