Q.1 Fill in the blanks.

I. The ________ protocol allows any internet site to provide web page.
II. ALU handles the numbers in ____________ number system only.
III. The first counting tool was the ____________.
IV. Transistors involved in the ____________ generation of computers.
V. The Integrated circuits signified the beginning of the ____________ generation of computers.
VI. One Tara Byte equal to ____________ Mega Bytes.
VII. The table that enables the computers to locate data easily is called ________.
VIII. Machine language is written in ____________.
IX. The optical disks that has both read and write capabilities is called ____________.
X. Before a disk can be used for storage it should first be ____________.
Q.2  a) Draw and explain a general diagram of digital computer architecture. Also discuss in detail the RISC & CISC architecture.

b) Convert following binary numbers to decimal numbers.
   I.  11111110
   II. 11111111
   III. 00001000
   IV.  00000100
   V.   00000010
   VI.  00000001
   VII. 10000000
   VIII. 10001000

Q.3  a) Explain in details the working of an electronic mail and also discuss few free email providers.

b) Differentiate between the POP Mail and web based e-mail.

Q.4  Explain in detail
   a) Batch processing and real-time processing
   b) Cloud computing

Q.5  Write short notes on
   a) Operating System
   b) Data base management system

Q.6  a) what is computer virus? How it works and spreads?
    b) What is e-business? What are their models?

Q.7  Elaborate. Modes of transmission and communication channels.

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