Duration: 2 hours   **Marks: 60**

Instructions:
   1. All questions are compulsory.   2. Draw diagrams wherever necessary.

Q.1 Answer **any four** of the following :   (3x4=12)
   A. What are the four components of IT?
   B. Distinguish between Primary Memory and Secondary Memory.
   C. What are the advantages of Mobile Computing?
   D. Give and explain two features of Electronic Spreadsheet.
   E. State and explain the categories of Cloud Computing.

Q.2 A. Distinguish between high level and low level languages.   (6)
   B. State and explain the features of Word processor.   (6)
   OR
Q.2 X. Convert the following binary numbers to decimal numbers.   (6)

          i. $(110011)_2$ ii. $(10010011.10)_2$ iii. $(11011101)_2$

   Y. What are the applications of Virtual Reality and Augmented Reality.   (6)

Q.3 A. Give full forms of the following.   (6)
      i. HTTPS   ii. DRAM   iii. IMAP
      iv. RAID   v. EPROM   vi. ASCII
   B. Explain the following Spreadsheet functions with an example.   (6)
      i) MAX   ii) COUNTIF   iii) PMT
   OR
Q.3 X. Convert the following decimal numbers to binary numbers.   (6)

          i.$(102)_{10}$ ii. $(160)_{10}$ iii. $(50.75)_{10}$

   Y. Write a note on Hard Disk. What are the different types of Hard Disks? (6)

Q.4 A. State and explain features of Linux operating system.   (6)
   B. What is IP Addressing ? What do you mean by Static and Dynamic.   (6)
      IP Address?   **OR**
Q.4 X. What are the steps to prepare an effective power point presentation?   (6)
   Y. Write short notes on the following.   (6)
      i. Mail Merge   ii. World wide web

Q.5 Write short notes on **any four** of the following: (3x4=12)
      i. C language   ii. Blue Ray Disk   iii. DNS
      iv. IoT   v. Compiler

*********ALL THE BEST*********