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 different components of Information Technology ?
   B. Distinguish between Primary memory and Secondary memory.
   C. What are the advantages of Mobile computing?
   D. Give and explain two features of Windows OS.
   E. Give and explain two applications of Virtual Reality.

Q.2 A. What is IoT? Give five applications of IoT.   (6)
   B. State and explain any six features of Wordprocessor.   (6)
                              OR
Q.2 X. Convert the following binary numbers to decimal numbers.   (6)
    i. $(1100011)_2$ ii. $(1110011.11)_2$ iii. $(11101101)_2$
   Y. What are the advantages and limitations of high level languages
      over low level languages.   (6)

Q.3 A. Give full forms of the following.   (6)
    i. PaaS   ii. DVDROM   iii. RAID
    iv. HTTPS   v. EEROM   vi. ASCII
   B. Explain the following Spreadsheet functions with an example.   (6)
    i) COUNTIF   ii) NPV   iii) SQRT
                              OR
Q.3 X. Convert the following decimal numbers to binary numbers.   (6)
        i.$(196)_{10}$ ii. $(225)_{10}$ iii. $(200.5)_{10}$

   Y. Define operating system (OS). What are the functions of OS?   (6)

Q.4 A. What is a DVD? What are the different types of DVDs?   (6)
   B. Write a note on DNS.   (6)
                              OR
Q.4 X. State and explain any four features of Power point presentation
      Software.   (6)
   Y. Write short notes on the following.   (6)
       i. Mail Merge   ii. Cache Memory

Q.5 Write short notes on **any four** of the following: (3x4=12)
    i. Java language   ii. Blu Ray Disk   iii. ASCII
    iv. Hard Disk   v. Compiler

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