[A-6]

SARDAR PATEL UNIVERSITY
S.Y. B.B.A. - ITM (HONOURS) SEMESTER - IV EXAMINATION
Tuesday, 28th April, 2015
10:30 A.M. TO 12:30 P.M.
UM04CBBI06: COMPUTER NETWORK

Note: Figures to the right indicate Marks.   **Maximum Marks: 60**

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Q-1 (A) What is **Networking?** Explain **Advantages** and **Disadvantages** of Networking. **[09]**

     (B) Define the term **OSI Reference Model.** Explain **Transport layer of OSI Model** in brief. **[06]**

OR

Q-1 (A) Explain **Physical Layer** and **Data Link Layer** of **OSI Reference Model** with its proper **[09]**
          figure in brief.

     (B) Explain **LAN Components** in brief. **[06]**

Q-2 (A) What is **Transmission Media?** Explain the brief concept about **Bridge.** **[09]**

     (B) Discuss **Twisted Pair Cable** in brief. **[06]**

OR

Q-2 (A) What is **Guided Media?** Explain the brief concept about **Router.** **[09]**

     (B) Discuss **Co-axial Cable** and **Fiber Optic Cable** in brief. **[06]**

Q-3 (A) What is **Digital Signal?** Discuss **Analog Signal** and **Transmission Mode** with all its **[09]**
          proper Figure and Explanation.

     (B) Write a note on **Transmission Impairment.** **[06]**

OR

Q-3 (A) What is **Data Transmission?** Discuss **Parallel Transmission** and **Serial** **[09]**
          Transmission (Asynchronous and Synchronous Transmission) in brief.

     (B) What is **Serial Transmission?** Discuss **Asynchronous Transmission** in brief. **[06]**

Q-4 (A) What is Topology? Explain **Mesh Topology** and **Star Topology** with its **Advantages** **[09]**
          and **Disadvantages** in detail.

     (B) Write a note on **CSMA/CD.** **[06]**

OR

Q-4 (A) Define the Term Topology. Explain **Bus Topology** and **Ring Topology** with its **[09]**
          Advantages and **Disadvantages** in detail.

     (B) What is **Protocol?** Discuss **Basic Terms Related to Protocol** and **Needs of Protocol** **[06]**
          in detail.

BEST WISHES