SARDAR PATEL UNIVERSITY
First Year BBA-ITM (3 Years) (SEM–II) (CBCS) EXAMINATION
DATE: 01/04/2016, Friday
TIME: 02:30p.m to 04:30p.m
UM02EBBI05: Computer Networks

Total Marks: 60

Note: 1. All the questions are compulsory. 2. Figures to the right indicate marks.
3. Start a new question from a new page.

Q.1

a. Write a note on OSI Model with Diagram. [15]
   OR

Q.1

a. What is Networking? State and explain the advantages of Networking. [07]
b. Write a note on LAN Components. [08]

Q.2

a. Explain the following terms with proper diagrams: [15]
   Attenuation, Noise, Distortion, Analog signals, Digital signals
   OR

Q.2

a. Explain Serial and Parallel transmissions. How do they differ from each other? [07]
b. Write a note on Synchronous and Asynchronous transmission methods. [08]

Q.3

a. Write a note on any 3 Topologies with diagrams. Also state the pros and cons of [15]
   each.
   OR

Q.3

a. What are Protocols? Give the needs of protocols and explain. [07]
b. What is CSMA/CD? Explain. Also explain the steps of Collision Avoidance. [08]

Q.4

a. Explain the Networking devices: Bridges & Routers. How do they differ from each [15]
   other?
   OR

Q.4

a. Explain the UTP co-axial cable with diagram. [07]
b. Explain Optical Fibers cable with diagram. [08]

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