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SEAT No. _____

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY
First Year BBA-ITM (3 Years) (SEM-II) (CBCS) EXAMINATION

DATE: 03/04/2018, Tuesday

TIME: 02:00p.m to 04:00p.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 LAN Components. [05]
b. Write a note on Physical Layer and Application Layer of OSI Model. [10]
OR
- Q.1**
a. Write a note on LAN. [05]
b. Write a note on Transport Layer and Session Layer of OSI Model. [10]
- Q.2**
a. Write a note on Transmission Impairment. [07]
b. Write a note on Asynchronous transmission method. [08]
OR
- Q.2**
a. Write a note on Parallel transmission method. [07]
b. Write a note on Analog signals. Explain all the terminologies associated with it. [08]
- Q.3**
a. What are Protocols? Give the needs of protocols and explain. [07]
b. Write a note on Mesh and Ring Topologies with their Advantages and Disadvantages. [08]
OR
- Q.3**
a. What is CSMA/CD? Explain with diagram. [07]
b. What is Protocol? Explain the Needs of Protocol. [08]
- Q.4**
a. Write a note on Routers as an interconnecting device. [08]
b. Write a note on Hub as an interconnecting device. [07]
OR
- Q.4**
a. Write a note on Bridges as an interconnecting device. [08]
b. Write a note on Gateway as an interconnecting device. [07]