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SEAT No. _____

No. of Printed Pages : 1

SC

SARDAR PATEL UNIVERSITY
First Year BBA-ITM (3 Years) (SEM-II) (CBCS) EXAMINATION
DATE: 29/03/2019, Friday
TIME: 02:00p.m to 04:00p.m
UM02EBBI05: Computer Networks [NC-2011 Batch]

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 the OSI Model giving 2 functions of each layer with explanation. [15]
OR

Q.1

- a. Write a note on Advantages of Networking. [05]
b. Write a note on Physical Layer of OSI Model. [05]
c. Write a note on LAN Components [05]

Q.2

- a. Explain the terms: Bit interval and Bit rate. [05]
b. Write a note on Parallel transmission method. [05]
c. Explain the Transmission Modes with diagram. [05]
OR

Q.2

- a. Write a note on Serial Transmission. Explain the Synchronous and Asynchronous transmission methods with a diagram. [15]

Q.3

- a. What are Protocols? Give the needs of protocols and explain. [07]
b. Write a note on BUS and STAR Topologies with their Advantages and Disadvantages. [08]
OR

Q.3

- a. What is CSMA/CD? Explain with diagram. [07]
b. Write a note on RING and TREE Topologies with their Advantages and Disadvantages. [08]

Q.4

- a. Write a note on UTP transmission media with diagram. [07]
b. Write a note on Bridges as an interconnecting device. [08]
OR

Q.4

- a. Write a note on Co-axial transmission media with diagram. [07]
b. Write a note on Switches as an interconnecting device. [08]

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