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SEAT No. _____

No. of Printed Pages : 1

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SARDAR PATEL UNIVERSITY
First Year BBA-ITM (3 Years) (SEM-II) (CBCS) EXAMINATION
DATE: 04/04/2019, Thursday
TIME: 02:00p.m to 04:00p.m
UM02DBBI25: Computer Networks [2018 – 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 Physical Layer of OSI Model. [05]
 - b. Write a note on Application Layer of OSI Model. [05]
 - c. Write a note on Disadvantages of Networking. [05]
- OR**

Q.1

- a. Write a note on Data Link Layer of OSI Model. [05]
- b. Write a note on Transport Layer of OSI Model. [05]
- c. Write a note on Advantages of Networking. [05]

Q.2

- a. Explain the Digital Signals with all the associated terminologies and diagram. [05]
 - b. Write a note on Transmission modes with diagram. [05]
 - c. Write a note on Asynchronous transmission with diagram. [05]
- OR**

Q.2

- a. Explain the Analog Signals with all the associated terminologies and diagram. [05]
- b. Write a note on Parallel transmission with diagram. [05]
- c. Write a note on Transmission Impairment terminologies. [05]

Q.3

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

Q.3

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

Q.4

- a. Write a note on Optical Fiber 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 Routers as an interconnecting device. [08]

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