[87] SEAT No._____ **No. of Printed Pages : 1**

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
UM02EBBI06: Networking Technologies

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 is Networking? What are the needs of Networking? State the Advantages of having a network. [07]
b. Write a note on Network Layer and Application Layer of OSI Model. [08]
OR
Q.1
a. Write a note on LAN. How does it differ from WAN? [07]
b. Write a note on Transport Layer and Physical Layer of OSI Model. [08]

Q.2
a. What is Switching? Explain Circuit switching in detail. How does it differ from Packet switching technique? [07]
b. What is Multiplexing? Write a note on TDM with diagram. [08]
OR
Q.2
a. Write a note on Shift-Keying Methods. [15]

Q.3
a. What are Protocols? Explain the protocol hierarchy with the various terminologies. [07]
b. Write a note on SNMP Protocol. [08]
OR
Q.3
a. Write a note on 10BaseT Ethernet. How does it differ from 10Base2 network. [07]
b. Write a note on SNMP protocol. [08]

Q.4
a. Write a note on various classes in IP. What is a sub-net and why is it required? [07]
b. Write a note on IPv4. Give the header format and explain. [08]
OR
Q.4
a. Write a note on ARP Protocol. Why is an IP protocol required at the same Layer? [07]
b. Write a note on TCP. Give the header format and explain. [08]