SARDAR PATEL UNIVERSITY

T.Y BBA(ISM) SEM –VI

Subject: Data Communication and Computer Network-II

UM06CBBS02

Date: 31/03/2018, Saturday   Marks: 60

Time: 10:00 A.M To 12:00 P.M.

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1. Figures to the right hand side of the question indicate their marks:
2. Draw figure whenever require.

Q.1[A]	Write a short note on Ring Management	[08]
[B]	Explain the Token Passing.	[07]

OR

Q.1[A]	Define LAN. Explain MAC SUBLAYER.	[08]
[B]	Explain any two Categories of 10 Mbps Implementation.	[07]

Q.2[A]	Explain the Frame Format of LANE Operation.	[08]
[B]	Write a short note on Wireless Transmission Architecture.	[07]

OR

Q.2[A]	Differentiate between Pure ATM Architecture and Legacy LAN Architecture with example.	[08]
[B]	Write a short note on LANE Operation.	[07]

Q.3[A] Find the Class, Netid and Hostid for each IP address.   [08]
    1) 4.23.145.90
    2) 227.34.78.7
    3) 198.76.9.23
    4) 129.6.8.4

   [B] Write a short note Subnetting   [07]

OR

Q.3 Explain the Following Protocol of Network Layer.   [15]
    1) Address Resolution Protocol (ARP).
    2) Internet Group Message Protocol (IGMP).
    3) Internet Control Message Protocol. (ICMP).

Q.4 Explain the Conventional Methods of Data Encryption.   [15]

OR

Q.4 Write a short note IPv6 and ICMP v6.   [15]