

**SARDAR PATEL UNIVERSITY**  
**Programme: BBA(Information Systems Management)**  
**Semester: V**  
**Syllabus with effect from : JUNE 2013**

<b>Paper Code:</b> UM05CBBS02	<b>Total Credit: 3</b>
<b>Title Of Paper:</b> Data Communication and Computer Network - I	

Unit	Description in detail	Weighting (%)
<b>1</b>	<b>FUNDAMENTALS</b> Networks, Definition of LAN, Components, Models, Applications, Layered Architecture, OSI Model, The Internet Model, IEEE Standards	<b>25 %</b>
<b>2</b>	<b>DATA TRANSMISSION</b> Analog and Digital Signals, Digital and Analog Transmission, Multiplexing, Data Rate, Guided Media, Unguided Media, Transmission Impairment, Performance, Error Detection	<b>25 %</b>
<b>3</b>	<b>LAN TOPOLOGIES</b> Introduction, BUS Topology, Ring Topology, Star Topology, Hybrid Topology, Flow Control, Medium Access Methods	<b>25 %</b>
<b>4</b>	<b>CONNECTING LANS</b> Repeater, Hubs, Switch, Bridges, Routers, Gateways, Other Devices	<b>25 %</b>

**Basic Text & Reference Books**

- Local Area Network-Behrouz A Forouzan,Tata McGraw-Hill Edition
- Data communication and Networking- Behrouz A Forouzan,Tata McGraw-Hill Edition

