

**Subject: Data Communication  
& Networking**

**Subject Code: SAZ6B**

**COURSE PLAN**

<b>Session No</b>	<b>Topics to be covered</b>	<b>Teaching Methodology</b>
<b>UNIT - I</b>		
1	Subject Introduction and Syllabus Discussion	BB
2	Introduction to data communication	BB
3	Network	BB
4	Protocols	BB
5	Standards and standards organization	Seminar
6	Line configuration	BB
7	Topology	PPT
8	Transmission mode	PPT
9	Classification of network	BB
10	OSI Model	PPT
11,12	Layers of OSI model	PPT
13	Revision UNIT I	GD
<b>Unit Test - I</b>		
<b>UNIT - II</b>		
14	Parallel and Serial Transmission	BB
15	DTE / DCE	GD
16	EIA-449	PPT
17	EIA-530	PPT
18	EIA-202and X.21 Interface-Interface Standards	PPT
19	Modems-Guided Media	PPT
20	Unguided Media	PPT
21	Performance-Types of error	Seminar
22	Error Detection	BB

23	Error Correction	BB
24	Multiplexing -Types of multiplexing	GD
25	Multiplexing Applications-Telephone Systems	BB
26	Revision UNIT II	GD
<b>CIA TEST - I</b>		
<b>UNIT - III</b>		
27	Project 802-Ehernet	BB
28	Token Bus-Token Ring	BB
29	FDDI-IEEE 802.6	PPT
30	SMDS	PPT
31	Circuit switching	PPT
32	Packet Switching	PPT
33	Message Switching	Seminar
34	Connection Oriented Services	GD
35	Connectionless Services	BB
36	Revision UNIT III	GD
<b>Unit Test - III</b>		
<b>UNIT - IV</b>		
37	History of Analog and Digital Network	BB
38	Access to ISDN	Seminar
39	ISDN Layers	Seminar
40	Broadband ISDN	Seminar
41	X.25 Layers	GD
42	Packet Layer Protocol	BB
43	ATM Protocol	PPT
44	Revision UNIT IV	GD
<b>CIA TEST - II</b>		
<b>UNIT - V</b>		
45	Networking and Inter-networking Devices	BB

46	Repeaters	PPT
47	Bridges	PPT
48	Routers - Gateway	BB
49	Routing Algorithm(Distance Vector Routing)	PPT
50	Routing Algorithm(Link State Routing)	PPT
51	TCP / IP Network	GD
52	Transport and Application Layers of TCP / IP	Seminar
53,54	World Wide Web	PPT
55	Revision UNIT V	GD
<b>REVISION</b>		
56	Revision of UNIT I	BB
57	Revision of UNIT II	BB
58	Revision of UNIT III	BB
59	Revision of UNIT IV	BB
60	Revision of UNIT V	BB
<b>CIA TEST - III</b>		

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