

5 MAR 2019

Seat no _____

Third Year B.Sc. (IT) Examination March/April 2019

Paper: Data communication and networking

Paper Code: 301

Time 3.00 hrs

Subject Code: 8923

Total Marks: 100

Q-1	A) Write a short note on multiplexing	10
	B) What is analog and digital data? Explain Difference between analog and digital data	10
	OR	
Q-1	A) Explain any two Types of transmission media	10
	B) Explain coaxial cable and twisted pair cable.	10
Q-2	A) Explain unrestricted simplex protocol.	10
	B) Explain error detecting codes.	10
	OR	
Q-2	A) Explain flow control and error control.	10
	B) Explain satellite communication and satellite link.	10
Q-3	A) What is ISDN and Fax? Explain in detail.	10
	B) What is digital telephony?	10
	OR	
Q-3	A) Explain shortest path routing	10
	B) Difference between broadcast Routing and multicast routing.	10
Q-4	A) Explain OSI model.	10
	B) Explain TCP/IP reference model.	10
	OR	
Q-4	A) What is tunneling and routing?	10
	B) Explain IP and its packet format.	10
Q-5	A) Explain all types of networking devices.	10
	B) Explain DNS and firewall.	10
	OR	
Q-5	A) Explain gate ways, routers and bridge.	10
	B) Explain cryptography and public key algorithms.	10