

VI Semester B.Sc. Examination, May/June 2014 (Scheme : Semester) Computer Science (Paper – 8) Basics of Communication, Networks and Internet

Tim	e:3	Hours Max. Marks : 8	30
		Instruction: Answer all the questions.	
1.	a1)	identify and explain the five components of the data communication systems.	6
	a2)	Explain any three topologies with a neat diagram. SPAR nislaxe viteria (Sd	6
		a1) What is E-mail? Write a note on HTTP and SMTP. RO	
	b1)	How microwave communication works? Explain. Explain. (SS	6
	b2)	Explain the principles of cellular telephony.	6
2.	a1)	Explain simplex, full duplex and half duplex modes.	6
	a2)	Write a note on checksum error detection method.	6
	(x2=	Answer any four of the following chestions.	
	b1)	What is multiplexing? Explain any one multiplexing technique.	6
	b2)	Discuss Block Code Method.	6
3.	a1)	Explain the characteristics of analog and digital signals.	6
	a2)	Distinguish between base band transmission and broad band transmission.	6
		e) Write any two application of optical fibre.	
	b1)	Bring out the significance of layered architecture considering the OSI model.	12
4.	a1)	Discuss pulse amplitude modulation for conversion from analog to digital	
		encoding.	6
	a2)	Explain phase shift keying with neat diagram.	6

- b1) List out and explain various services provided by application layer. 6 6 b2) Explain pulse code, modulation and sampling rate. 5. a1) Explain the role of transport layer in TCP/IP model. 6 a2) Write a note on encapsulation. OR b1) Explain different types of Bridges. b2) Briefly explain RARP, DNS and UDP. 6 6 a1) What is E-mail? Write a note on HTTP and SMTP. a2) Write a note on URL and WWW. OR b2) Explain the principle C With life xolomianistax3 to 6 b1) Briefly explain the browser architecture. mueloedo no eton a emW (Sa. 6 b2) Explain any two search engines. Answer any four of the following questions: $(4 \times 2 = 8)$ a) What is redundancy? b) List different types of error. Define amplitude. Planta amplitude one polane to additionable of malgad (to a Define protocol. In board box releasement board seed neewed datapointed (Cs. e) Write any two application of optical fibre. f) What is bit rate and bit length? The best of the consolling and the panel (1d
 - Discuss pulse amplitude modulation for conversion from analog to digital