(i)	Printed Pages : 2	Roll No				
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(ii)		ub. Code:	Annual Control of the	Commission of the Commission o		
4	Exa	m. Code:	0 0	3 1		
	Bachelor of Computer Ap		Semeste	r		
	(212	The second second				
	COMPUTER N		4			
	Paper: BC.	A-16-501				
Tim	e Allowed: Three Hours]	[Maxi	mum Ma	ırks : 65		
Note	e:— Candidate is required to					
including Question No. 9 (which is compulsory) and						
	attempt remaining four question from each Secti		selectir	ig ONE		
	SECTIO	N—A				
1.	Differentiate between OSI and TCP/IP reference model in detail					
				13		
2.	Write a note on switching. Ex	plain the comp	onents of	f various		
	switching techniques used for o	lata transmissio	n.	13		
	SECTIO	N—B	ne s			
3.	Discuss various design issues	of data link lay	yer. Expl	ain CRC		
	and Hamming code with exam	ple.		13		

ARQ protocols with example.

Explain the working of stop and wait ARQ and Go-back-N

13

SECTION—C

5.	Writ	e notes on the following:	
	(a)	Shortest path routing	
	(b)	Broadcast and multicast routing.	13
6.	work	at are the congestion prevention policies? Discining of token bucket and leaky bucket algorithm	n· with
	exan	· · · · · · · · · · · · · · · · · · ·	13
		SECTION—D	
7.	Disc	uss the architecture and services of email highlighting	role of
	SMT	P. 1512 Communication of the state of the st	13
8.	Wha	t do you understand by DNS? Write a note on n	etwork
	secui	rity and remote login.	13
		(Compulsory Question)	
9.	(a) .	List uses of MODEM.	3
	(b)	Differentiate between Time and Frequency di	vision
	1	multiplexing.	2
ħ	(c)	What is the significance of dynamic channel alloca	ation?
			2
, i	(d)]	Differentiate between noisy and noiseless channel.	2
	(e)]	Define sub netting.	2
	(f)]	Define POP.	2