6 Pagea) Reg. No. :		2,	The standard for wireless LAN is			
		3	(a) 802.1 (b) 802.2			
God	e No. : 10243 E Sub. Code : SMCA 62/ AMCA 62		(c)	802.3	(d)	802.11
B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2023. Sixth Semester Computer Application — Core COMPUTER NETWORKS		3.	tran	smission media?		s not an unguided
				Magnetic media	(b)	Infrared wave Radio transmission
			(c)	Micro wave	1	
		4.	The number of oscillations per second of a wave is called —————.			
	(For those who joined in July 2017-2020)		(a)	Wavelength	(b)	Frequency
Time	: Three hours Maximum : 75 marks		(c)	light	(d)	none
•••••	PART A — (10 × 1 = 10 marks)	5.		change made in uence is known as -		it in the entire data
	Answer ALL questions.		(a)	Burst error		Multiple bit error
	Choose the correct answer:		(c)	Single bit error	(d)	
1.	The reliable connection oriented protocol is	6.	The		ling er	rors when frames are
	(a) TCP (b) HTTP			selective repeat		go back n
	(c) UDP (d) SNTP		(c)	pipelining	(d)	
				Pag	ge 2	Code No. : 10243 E
	ing). - The first of the first technique is the second state of th					
7.	The change in their routing decisions to reflect		PART B — $(5 \times 5 = 25 \text{ marks})$			
	change in their topology	I	Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 250 words.			
	(a) Adoptive algorithm					
	(b) Optimality principle	11.	(a)	Write a short note	on W	ireless Networks.
	(c) Routing algorithm			0	r	
8.	(d) Non adoptive Which of the following are transport layer		(b)	Compare OSI re Reference model.	ferenc	e model and TCP/IP
	protocols used in networking?	12.	(a)	Write a short	note	on Geo Stationary
	(a) TCP and FTP		` '	Satellite.		121
	(b) UDP and HTTP			C)r	
	(c) TCP and UDP		(b)	•	about	Low - earth orbit
	(d) HTTP and FTP			satellite.		
9.	A is a TCP name for a transport	13.	(a)	Write a short not	e on G	ligabit Ethernet.
	service access point.				Or	
	(a) port (b) pipe		(b)		lluetooth? Mention any	
	(c) node (d) protocol		two applications.			
10.	The keys used in cryptography are	14.	(a)	Explain Distance	vecto	r routine in detail.
	(a) secret key (b) private key				Or	
	(c) public key (d) all of the above		(b)	Write a short not	e on co	
	Page 3 Code No. : 10243 E			Pa	ge 4	Code No.: 10243 E

[P.T.O.]

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 (a) Explain Transposition cipher method with example.

Or

(b) Write the basic functions of E-mail in detail.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain service Primitives in detail.

Or

- (b) Write the difference between connectionless communication and connection oriented communication.
- (a) Explain various Guided Transmission media in detail.

Or

(b) Write a brief note on Electro Magnetic Spectrum.

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(a) Write briefly about A Simplex stop-and wait protocol.

Or

- (b) Explain one-bit sliding window protocol in detail.
- 19. (a) Explain the elements of transport protocol in detail.

Or

- (b) Explain TCP in detail.
- 20. (a) Explain Caesar cipher with an example.

Or

(b) Explain RSA algorithm in detail.

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