BCA

2019 BCA

4th Semester Examination

Computer Network

Paper - 2205

Full Marks – 70

Time: 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer question No. 1 and any four from the rest.

- 1. Answer any **five** questions: 2×5
 - (a) What do you mean by physical Addressing?
 - (b) Write the difference between bit stuffing and character stuffing.
 - (c) What do you mean by simplex mode of data flow?
 - (d) What is repeater?

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	(e)	Differentiate between SWITCH and H	UB?
	(F)	What is SUBNET MASK?	
	(g)	What is transmission media?	
	(h)	What is peer to peer network?	
2.	(a)	Distinguish among two working princi circuit switching, packet switchin message passing technique.	3 22
	(b)	What is port address?	2
	(c)	What is frequency division technique	? 3
	(d)	What is cross bar switch?	4
3.	(a)	State the differences between IPV IPV6.	'4 and 4
	(b)	State the difference between state dynamic routing.	c and 2
	(c)	Which of the following is a valid he network 192.168.10.32/28?	ost for 2
	(d)	Differentiate between multilevel and must slot allocation.	ultiple - 3
	(e)	What is pulse stuffing?	2
	(f)	How leaky Bucket algorithm works?	2
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4.	(a)	What is checksum?	3
	(b)	Generate the CRC code for the data wo	rd :
		1010011110 . The divisor is 1011.	5
	(c)	What do you mean by Hamming code?	3
	(d)	How does Manchester encoding differ fr	om
		differential Manchester encoding?	2
	(e)	What is attenuation?	2
5.	(a) What are the differences between TCP		
		UDP?	3
	(b)	What is Band rate?	2
	(c)	Write the main function of network laye	r.
			2
	(d)	Differentiate between network layer an	
		transport layer.	2
	(e)	Compare ISO/OSI model with TCP/IP mode	
			4
	(f)	What do you mean by Logical Addressing	g?
			2
6.	(a)	What is guided media? Discuss different	ent
		types of guided media. 2	+7
	(b)	Give advantages and dis-advantages	of
		optical fiber cable.	6
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