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: 6th

Semester

National Institute of Technology, Delhi

: ECE

Branch

Name of the Examination: B.Tech.

End Semester Examination (Spring, 2020)

Time:	Title of the Course 2 Hours	: Computer Network	Course Code : CSB 342 Maximum Marks: 50		
Note :	Attempt All Questions				
		Section A (2*20 =40 mark	s)		
	What is a protocol.				
2.	OSI stands for				
3.	The method of communi	cation in which transmission takes	s place in both directions, but only in one		
	direction at a time is				
4.	4. The hamming distance between 001111 and 010011 is				
5.	5. You need to connect two computers for file sharing. Is it possible to do this without using a hub or a router?				
_		owing command do: tracert -d	2 2		
7.		ling network information about yo	our local machine like IP addresses, DNS		
8.	addresses etc A bit stream 1101011011	is transmitted using the standard	CRC method. The generator polynomial		
0.		tual bit string transmitted?	erce memod. The generator porynomial		
9.		_	RC method. The generator polynomial is		
	1. What is the actual bit	string transmitted?			
		from the left is inverted during tra	ansmission. How will receiver detect this		
10	error?)			
11	. Why Use MAC Address'		n entire city, college campus, or a small		
	region.	5 of a compater network across a	in citing only, conlege campus, or a sman		
12	. What will be the follow	ing command do:			
	set testfile [open hello.da puts \$testfile "hello1"	t w]			
13	•	circuit or a device that converts of	lata from one format to another.		
		ariable 'a' in NS2 with expression			
15	. What is the purpose of a	'tr' file in NS2.			
16	. How you will determine	the IP address of nitd.ac.in. (write	e the command)		
17	`.`traceroute <u>www.nitd.ac</u> .	in' is used to find out	and		

18. Write any two files that are used in NS2. **19.** Bit Stuffing refers to..... **20.** The network topology with highest reliability is..... Section B (1 *10 = 10 marks)Answer the following with respect to NS2 **21.** The alternative command for set i [expr \$i + 1] is **22.** expr {"9" = = "9.00" } results in **23.** expr { "9" eq "9.00"} results in **24.** for $\{ \text{set i } 0 \} \{ \{ i < 10 \} \} \{ \text{incr i } \} \}$ set \$ a(\$ i) \$i 25. represents an comment **26.** is used to represent an inline comment. **27.** Nam stands for **28.** What will the following command results in : **a.** \$ns at 3.0 "finish " **b.** \$ ns duplex-link-op \$n0 \$n1 orient right-up **c.** set x0 [new Agent/UDP]