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Course: CSE-405

Section: 03

Examination: Midtern - 1

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1.9001

11000010 : 8

1812 637 Fork2 - 12 anoll

Ans: to the 3: No: (1)

Here,

B; 01000011 D; 11111000

Flog! 01111110 Esc! 10001111

Given dota is,

B Ese Flag Flag D

Now we use "Bit stuffing" method:

Flog 0100001110001111100011111

Counce; CSE-409

Here, Sb -> Stuffed Bit.

sorthis

Ans: to the o: No: 2) when In Physical layer coding violation, nodes determine the boundary of a frame by sensing the Bit time. In data for 'I' we use a high voltage and 'o' we use a low voltage. Assume that voltage is 5. Then is frame we usually oruse half of that voltage. That's 2.5. The nodes sense this violation and determine it is frame. Given bit sequence, 100101011 Binary Enceding: Tool of lot of 12 mile no see 6 mosticus sec " 6 meno sec Bit time

If the first bit is high voltage and its

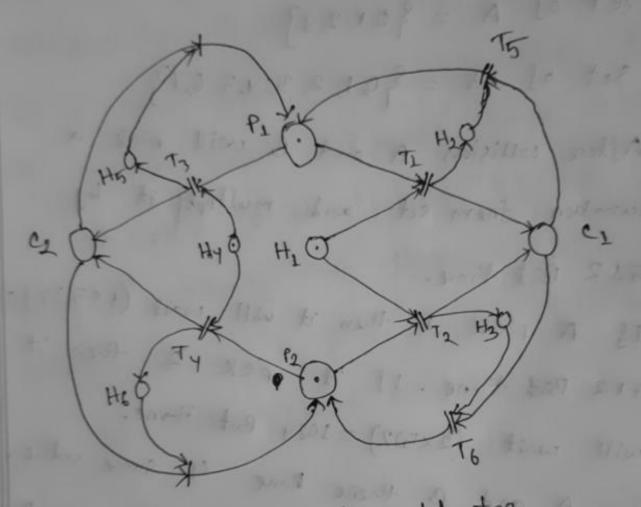
value is 6 then If in the bit sequence there one any consequtive high voltage then it will be 12,18,24 -- etc. Some goes for low voltage. And this is the multiplier of the specific voltage which value is 6 micro sec. This value isn't fixed. In physical violation the bit sequence will be:

3 70010101 3

6 25 Contract Energy

the properties and si tid trait and the

Ans: to the S. No: 5



complete petri net model ton mutual Exclusion

wollder mitopromo so why and

quant man your ten matter time and marity.

Ansito the siNo: (4)

Set of A = {0,1,2,3}

Set of B = {0,1,2,3,4,5,6,7}

After collision A and B will pick a number from set and multiply it by

512 Bit time.

If A pick 1 then it will work (1×512) = 512 Bit time. If it pick '2' then it

will woit (2x512) = 1024 Bit time.

For A and B there Pare 4 same value.

20,2,2,33. So it A and B both pick the

some number at the same time then

there will be consequire collision.

Becquise the woit ton a exact same

time and after that they will transfer

data at the same time, so there will be 4 elements, which are 30,1,2,33. cellision for gets into collision then 'A'and It 'F' also 'B' should pick different volue of like A can pick '0 to 3' and 'B' can pick 14 to 7' randomly. Then there will be no collision between 'A' and 'B', So 'E' as can get 1st collision with them.

Ans: to the 3: No: - 3 Here, propagation delay is ousec. Total node's = 26. Here number of Host = 26. 100111 - 111 Fr. of the of the of the of Jap transmission phase 1 Here IE, Knows there will pe tous. Sob before too him. So, it counts that and knows to when he can transfer the Lata. There are poor 26 nodes. So the minimum dunation of the polling phase with be = (26x9).

234 Mee.