#COE223

Quiz "1" (عصام زيدي)
كويز اخر شعبة "بنات"
نموذج (C)
الخيارات:
1) A and B are the inputs of half adder then the sum is?
a) A AND B
b) A OR B
c) A XOR B
d) A EX-NOR B

Ans: A XOR B

_____
2)
Doing a 1 bits right logical shift has what effect?
a) Divides the number by 2
b) Divides the number by 8
c) Multiples the number by 2
d) Multiplies the number by 4
Ans: A

Ans: Divides the number by 2

_
المسألة:
3)
What is the delay for the following 32-bit adder? Assume that each two-input gate delay is 200 ps and that a full adder delay is 300 ps

a) CLA:

= Tpg +Tpg_block + (N/K-1)
T and_or+K Tf
=200+2(2(200)+200)+(7)(400)+(1200)
Ans = 5.4ns

توزيع الدرجات:
6 درجات على الخيارات
درجتين على المسألة

#COE223

Quiz "1" (عصام زيدي)
كويز اخر شعبة "عيال"
(B) نموذج
الخيارات:
1) A and B are the inputs of half adder then the sum is?
a) A AND B
b) A OR B
c) A XOR B
d) A EX-NOR B

Ans: A XOR B

_____
2)
Doing a 3 bits right logical shift has what effect?
a) Divides the number by 2
b) Divides the number by 8
c) Multiples the number by 2
d) Multiplies the number by 4
Ans: B

Ans: Divides the number by 8

_
المسألة:
3)
What is the delay for the following 32-bit adder? Assume that each two-input gate delay is 200 ps and that a full adder delay is 300 ps

a) prefix adder

Tpa = Tpg +log2N. (tpg_prefix) + txor

Ans = 2.4ns

توزيع الدرجات:
6 درجات على الخيارات
درجتين على المسألة

#COE223

Quiz "1" (عصام زيدي)
(A) نموذج

الخيارات:
1) A and B are the inputs of half adder then the sum is?
a) A AND B
b) A OR B
c) A XOR B
d) A EX-NOR B

Ans: A XOR B

_____
2)
Doing a 2 bits right logical shift has what effect?
a) Divides the number by 2
b) Divides the number by 4
c) Multiples the number by 2
d) Multiplies the number by 4

Ans: Divides the number by 4

_____
المسألة:
What delay for the following 64 bit adder?
Two input gate delay = 150ps
Full adder delay = 350

a) prefix adder

Tpg +log2N. (tpg_prefix) + txor
= 2.1ns

توزيع الدرجات:
4 درجات على الخيارات
4 درجات على المسألة

#COE223
ممكن تفيدكم لكويز عصام

Q1) A and B are the inputs of half adder then the sum is?
• Ans: A XOR B

Q2) A and B are the inputs of full adder then the sum is?
• Ans: A XOR B XOR Cin

Q3) A and B are the inputs of Generate then the sum is?
• Ans: A AND B

Q4) A and B are the inputs of Propagate then the sum is?
• Ans: A OR B