

CSE / CS & IS

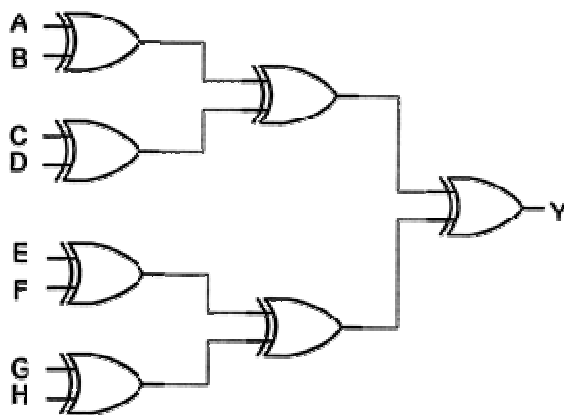
1. A full subtractor circuit requires _____.
 - (A) two inputs and two outputs
 - (B) two inputs and three outputs
 - (C) three inputs and one output
 - (D) three inputs and two outputs

2. Give the decimal value of binary 10010.
 - (A) 6 (B) 9 (C) 18 (D) 20

3. A type of digital circuit technology that uses bipolar junction transistors is _____.
 - (A) TTL (B) CMOS (C) LSI (D) NMOS

4. The NAND or NOR gates are referred to as "universal" gates because either
 - (A) can be found in almost all digital circuits
 - (B) can be used to build all the other types of gates
 - (C) are used in all countries of the world
 - (D) were the first gates to be integrated

5. The 8-input XOR circuit shown has an output of $Y = 1$. Which input combination below (ordered A – H) is correct?



- (A) 10111100 (B) 10111000
- (C) 11100111 (D) 11111000

SPACE FOR ROUGH WORK