

Taibah University College of Computers science and Engineering		Date: Tue 20 Sep. 2022 Time: 9:00 — 9:30
تصميم المنطق الرقمي COE 211 YCSB2 & YCSB3 – Quiz 01		Total Marks: 10

1. Convert the signed decimal number -31 to binary equivalent	2. What is the largest unsigned decimal number that can be expressed with 5-bits? What is the equivalent hexadecimal numbers ?
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Add the following numbers without converting them to decimal.

3. A001H + FFFFH	4. 1001 0001 + 0111 1101 (Binary)
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Obtain the r's complement of the following numbers (Note that **r: Radix**)

5. 00010000 (Binary)	6. A25FH
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7. Represent decimal number -14 in signed binary form	8. Represent decimal number +80 in 8-bit signed binary form
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9. Represent decimal number 73 in BCD	10. Represent decimal number 34 in Gray code
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<https://youtube.com/drmelhosseini>