

1-Consider "m-k Compressor" what is the relation between m and k?

- a) $k=m-3$ b) $k=3m$ c) $k=m+2$ d) $k=2m$ e)?

2-Which one is (are) universal gate (s)?

- a) Nor b) Mux c) Xor d) Minority gate e)?

3 What is the truth table of HA --?

- a)

A	B	C	S
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	1

 b)

A	B	C	S
0	0	1	0
0	1	1	1
1	0	1	1
1	1	0	0

 c)

A	B	C	S
0	0	1	1
0	1	0	0
1	0	0	0
1	1	0	1

 d)

A	B	C	S
0	0	0	0
0	1	0	1
1	0	0	1
1	1	1	0

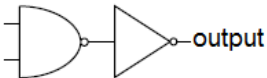
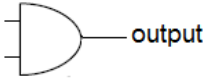
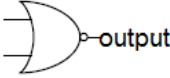
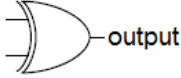
 e)?

4- This Truth table belongs to which gates?

- | A | B | output |
|---|---|--------|
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

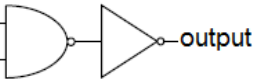
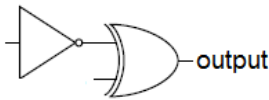
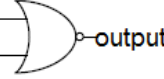
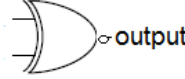
 a-Nor b-Nand c-Xor d-And e)?

5- Which ones have the same outputs?

- A  output B  output C  output D  output e)?

- 1-A and B 2-A and C 3-B and D 4-B and C 5?

6-Which ones have the same outputs?

- A  output B  output C  output D  output

- 1-A and B 2-A and C 3-B and D 4-B and C 5?

7- Which one(s) is (are) example(s) of Approximate Computation applications?

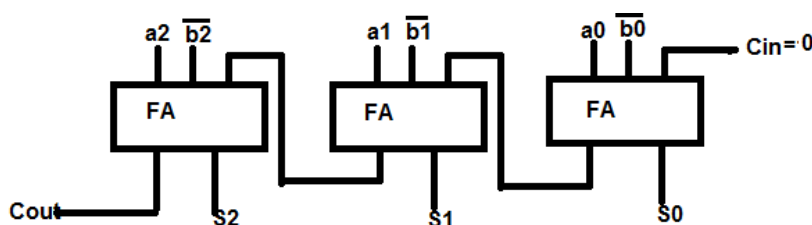
- a) Spy Fly b) Sensor Network c) Image Processing d) all e)?

8- This truth table belongs to which approximate gate?

A	B	C	S
0	0	0	0
0	1	1	1
1	0	1	1
1	1	0	0

- a) HA b) HA- c) HA-- d) HA+ e)?

9 - What is the function of this circuit?



- a) $A+B$ b) $A-B$ c) $A+B+1$ d) $A-B-1$ e)?

10-Design a question and answer it.