**Questions**

1. What are the outputs?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **INPUT** | | | | | | **OUTPUTS** | | | |
| **A** | **B** | **C** | **D** | **E** | **F** | **AND** | **OR** | **XOR** | **XNOR** |
| 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |

1. According to the below figure, which gates can be used for getting the output value “0” ?

A

B

C

F

1

1

1

0

?

ANSWER : NAND, NOR, XNOR

1. According to the below figure, which gates can be used for getting the output value “1” ?

A

B

C

F

1

1

1

1

?

ANSWER : AND, OR, XOR