

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

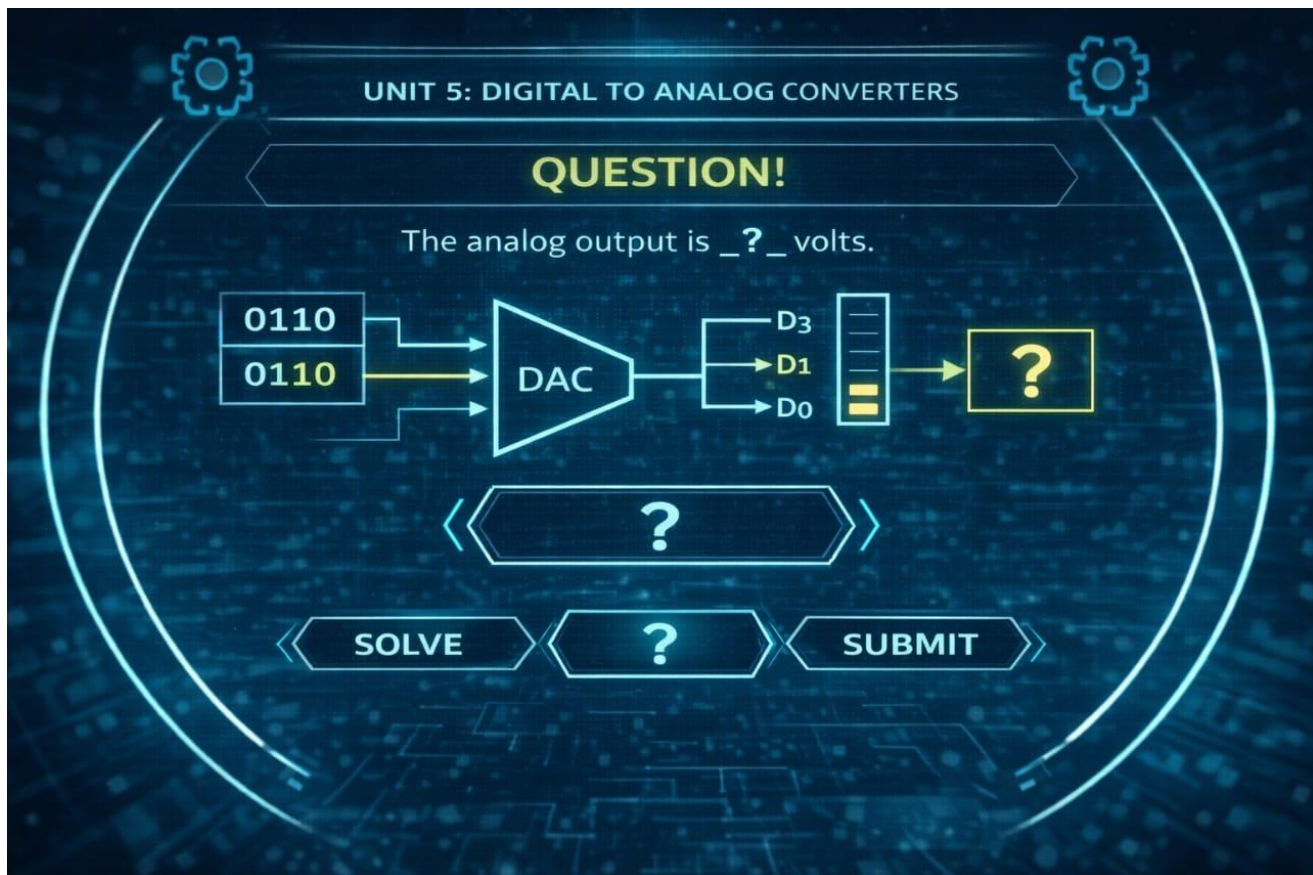
Course Code & Name : **23ECT203 & Linear Integrated Circuits**

Course Faculty : **Ms.V.Aishwarya AP/ECE**

Puzzles / In Class Activities

Topics Covered: **Unit 4- WAVEFORM GENERATORS AND
SPECIAL FUNCTION ICS**

Puzzle 1



UNIT 5: DIGITAL TO ANALOG CONVERTERS

QUESTION!

The analog output is ? volts.

0110
0110

DAC

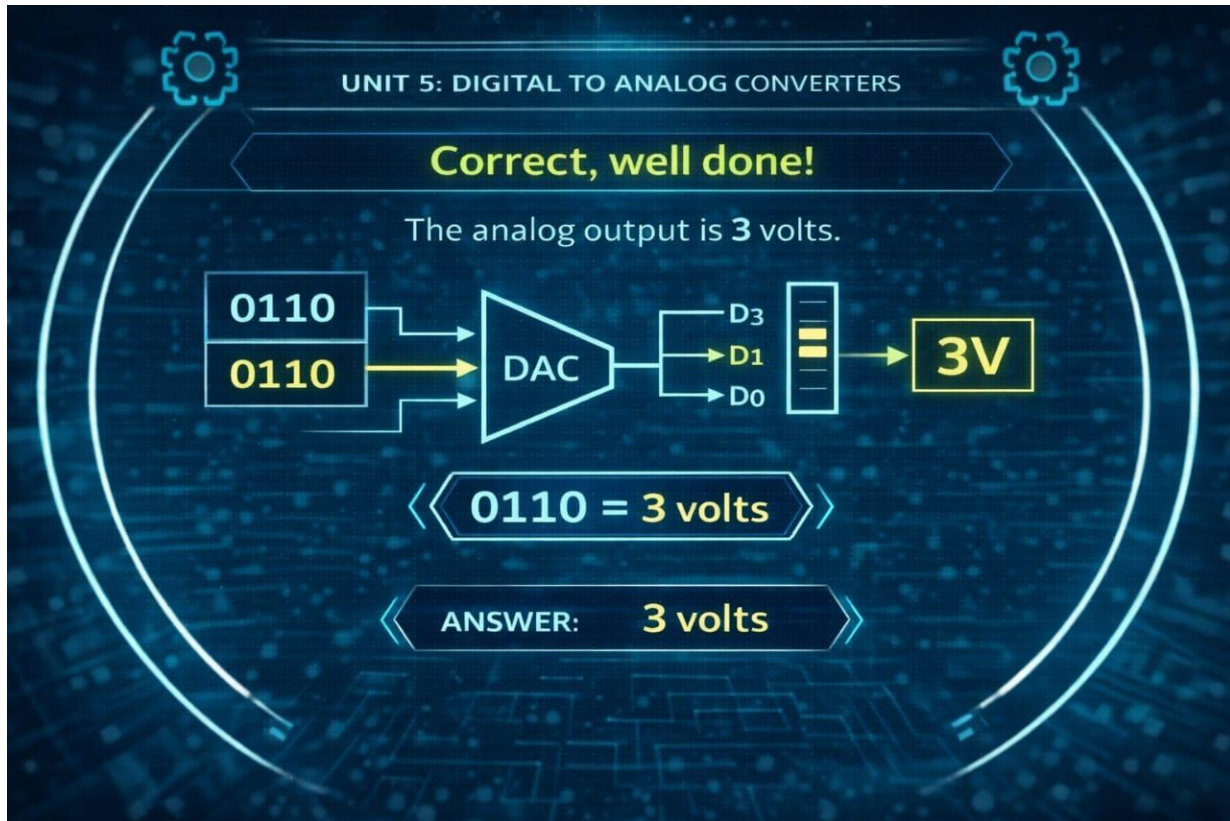
D3
D1
D0

?

?

SOLVE ? SUBMIT

Answer :



Puzzle 2

UNIT 5: DIGITAL TO ANALOG CONVERTERS

QUESTION!

The binary input is _?_ in decimal.

5.5V

?

SOLVE SUBMIT

The diagram shows a digital-to-analog converter (DAC) circuit. On the left, there is a 2x3 grid of input bits. The top row contains three question marks, and the bottom row contains three question marks. A yellow arrow points from the middle bit of the bottom row to a DAC block. The DAC block is a trapezoidal shape labeled 'DAC'. An arrow points from the DAC block to a vertical bar representing a DAC output, which has four horizontal bars of varying lengths. To the right of this bar is a yellow box containing the text '5.5V'. Below the DAC block is a white arrow pointing left and right, containing a question mark. At the bottom of the puzzle area are two buttons: 'SOLVE' on the left and 'SUBMIT' on the right.

Answer:

