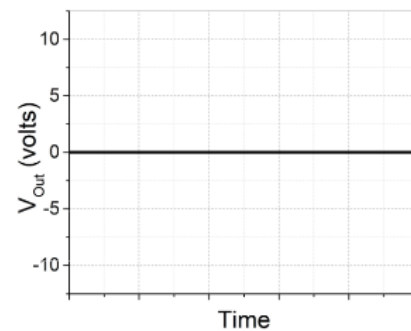
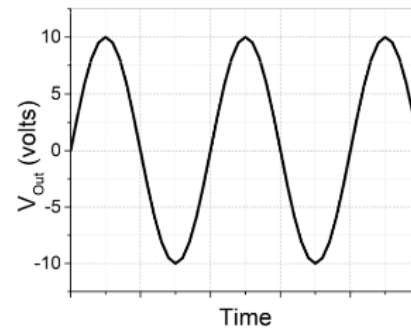
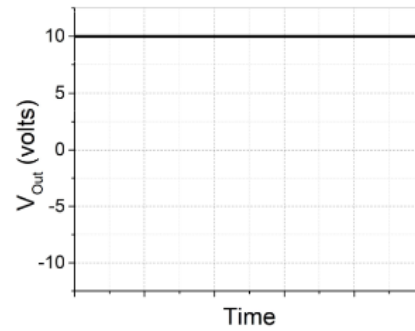
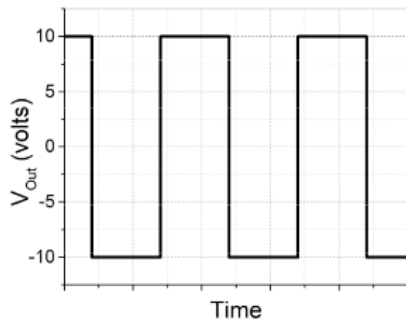
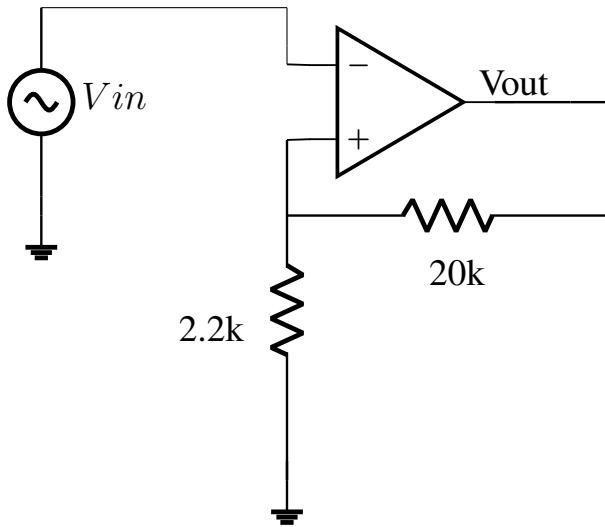


GATE 2022-PH

EE23BTECH1205 - Avani Chouhan*

Question : 11

For the Op-Amp circuit shown below, choose the correct output waveform corresponding to the input $V_{in} = 1.5 \sin(20\pi t)$ (in Volts). The saturation voltage for this circuit is $V_{sat} = \pm 10$ V.



- (A)
- (B)
- (C)
- (D)

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Solution:

Given circuit is a Schmitt Trigger circuit. In this output will be always saturated, i.e., limited between $+V_{sat}$ to $-V_{sat}$. So, answer is (A)