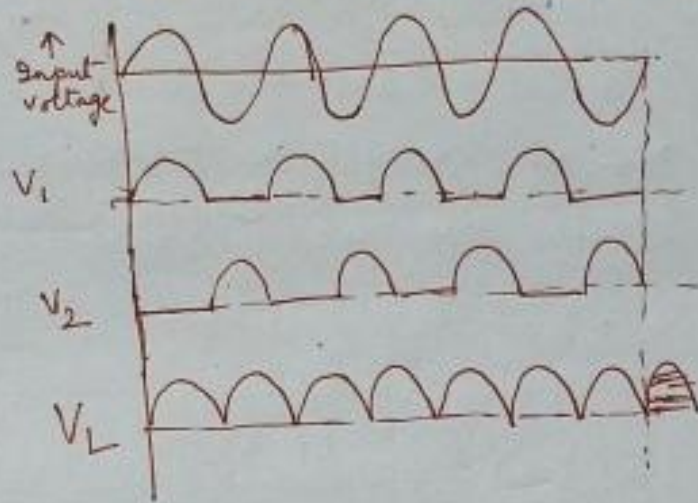


$D_2, D_4$  conduct and  $D_1, D_3$  remain off. But the load current flows in the same direction as the preceding half cycle. For the full cycle of input <sup>AC</sup> voltage the load current  $i$  and so the output voltage  $V_L$  is ~~the~~ unidirectional.



6. How a ~~the~~ capacitor acts as a filter for the output of a full wave rectifier? What is meant by its time-constant?

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