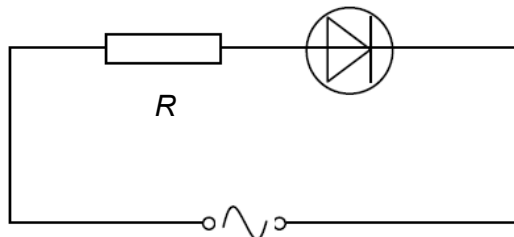


- 25 A sinusoidal current of peak value  $I_0$  is passed through the circuit shown.



What is the mean rate of heat dissipated in terms of  $R$ ?

- |                         |                         |
|-------------------------|-------------------------|
| <b>A</b> $1.41 I_0^2 R$ | <b>B</b> $I_0^2 R$      |
| <b>C</b> $0.5 I_0^2 R$  | <b>D</b> $0.25 I_0^2 R$ |

