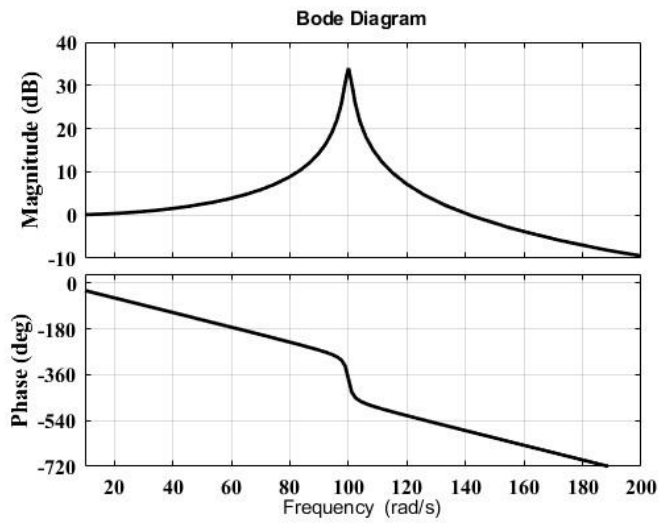


GATE IN 43

EE23BTECH11022 - G DILIP REDDY

Question:

The magnitude and phase plots shown in the figure match with the transfer- function



- 1) $\frac{10000}{s^2+2s+10000}$
- 2) $\frac{10000}{s^2+2s+10000}e^{-0.05s}$
- 3) $\frac{10000}{s^2+2s+10000}e^{-0.5 \times 10^{-12}s}$
- 4) $\frac{100}{s^2+2s+100}$

(GATE IN 2023)

Solution: