

Hard

Assistant Engineer (Electrical), Class 2025

Building Department

The unit step response of a second order system is $= 1 - e^{-5t} - 5te^{-5t}$. Consider the following statements: 1. The under damped natural frequency

A

Only 1 and 2

B

Only 2 and 3

Correct

C

Only 1 and 3

D

1, 2 and 3

Correct Answer: B

Full Detailed Explanation

Open the live question URL below to read the full explanation, related links and practice flow.

Open live question on website:

<https://sarkariresultout.com/pyq/gu/question/gpsc-ae-electrical-q205-critically-damped-step-response/>