

Easy

Deputy Executive Engineer (Electric

2026

ports Authority of Gujarat / Assistant Engineer (E

A first-order system has a time constant of 2 seconds and is subjected to a unit step input. The system gain is unity, then
1. The output reaches approximately 63 percent

A

1 and 3 only

B

1, 2 and 3 only

Correct

C

2 and 3 only

D

All of the above

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/time-constant-and-step-response/>