

Easy Deputy Executive Engineer (Electricity) 2026 Gujarat Public Service Commission / Assistant Engineer (Electrical) 2026

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- A

1, 2, 3, 4
- B

1, 2, 3, 4

Correct
- C

2, 3, 4
- D

Correct Answer: B

Full Detailed Explanation

: B - 1, 2, 3, 4

For a discrete-time LTI system, the output $y[n]$ is related to the input $x[n]$ and the impulse response $h[n]$ by the convolution sum:

$$y[n] = \sum_{k=-\infty}^{\infty} x[k] h[n-k]$$

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