

Moderate

Assistant Engineer (Electrical), Class II, 2025

Building Department

$A = x\mathbf{i} + y\mathbf{j} + z\mathbf{k}$

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- A
- B
- C
- D

Correct

Correct Answer: D

Full Detailed Explanation

∴ $A = (A_z/y - A_y/z)\mathbf{i} + (A_x/z - A_z/x)\mathbf{j} + (A_y/x - A_x/y)\mathbf{k}$. $A_x = x, A_y = y, A_z = z$, $A = 0$.

$A = [(x^2 + y^2 + z^2)/2],$

∴

x, y, z