

Easy

Deputy Executive Engineer (Electrician) 2026

Public Works Authority of Gujarat / Assistant Engineer (Electrical)

20

10

- A

1 2
- B

2 4
- C

1, 2 3

Correct
- D

Correct Answer: C

Full Detailed Explanation

Given: $V = 20\text{ V}$, $R = 10\text{ }\Omega$: $I = V/R = 2\text{ A}$, $P = VI = 40\text{ W}$.
Option 1: $I = 1\text{ A}$, $P = 20\text{ W}$.
Option 2: $I = 2\text{ A}$, $P = 40\text{ W}$.
Option 3: $I = 4\text{ A}$, $P = 80\text{ W}$.
Option 4: $I = 2\text{ A}$, $P = 20\text{ W}$.
Correct Answer: Option 2 is correct.