## TOPIC

Thermodynamics - Section XII - Question 4

## QUESTION

Air in a closed-rigid vessel at 2 bars and  $25^{\circ}C$  is heated until its temperature is  $100^{\circ}C$ . The final pressure in bars most nearly is

- (A) 2.50
- (B) 4.40
- (C) 8.00
- (D) 256.0

## HINTS

- Closed means constant mass of air
- Rigid means constant volume
- Constant mass and constant volume mean constant specific volume
- Use absolute temperature

## CONTRIBUTOR

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