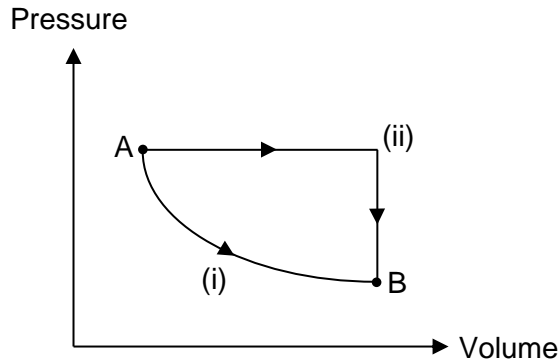


- 18** A system of ideal gas undergoes a change of state from A to B by either process (i) or process (ii) as shown.



Which of the following statements is correct?

- A** The work done by the gas is greater in (i) than in (ii).
- B** The work done by the gas is lesser in (i) than in (ii).
- C** The increase in internal energy in (i) is greater than in (ii).
- D** The increase in internal energy in (i) is lesser than in (ii).