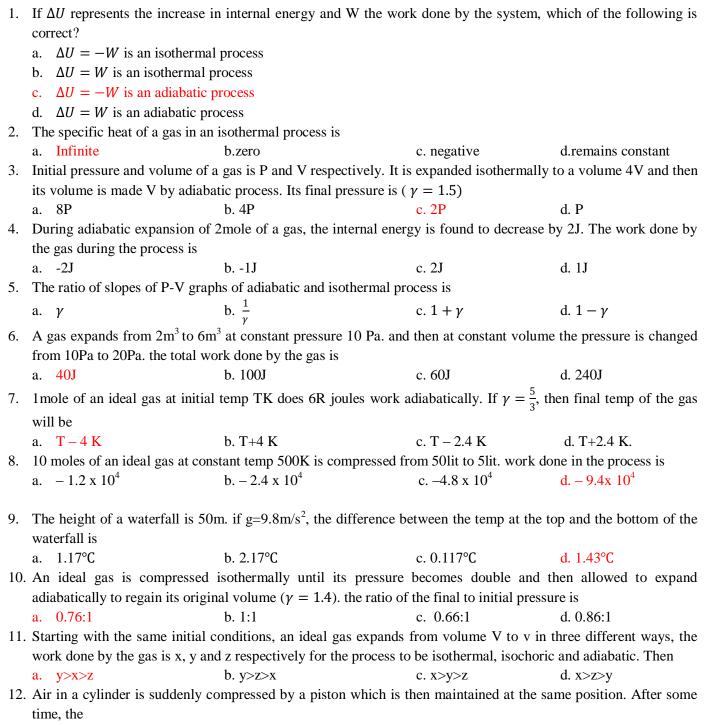


Class – XI

Chapter - Thermodynamics

Choose the correct option for the following questions.



a. Pressure will increase

b. Pressure will decrease



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 $1 \times 15 = 15$

- c. Remains same
- d. Becomes zero
- 13. The internal energy of a gas during isothermal expansion
 - a. Increases
 - b. Decreases
 - c. Becomes zero
 - d. Remains constant
- 14. When a gas expands adiabatically
 - a. Law of conservation does not hold
 - b. Internal energy of the gas is used in doing work
 - c. No energy is required for expansion .
 - d. None
- 15. In an adiabatic process, the quantity which remains constant is
 - a. Volume
 - b. Pressure
 - c. Temperature
 - d. Total energy of the system

Name of the teacher - Soumitra Maity