

JEE MAIN THERMODYNAMICS — HEAT CAPACITY — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 2 questions

Q.1 The correct order of molar heat capacities measured at 298 K and 1 bar is :

[JEE Main 2026 (Online) 5th April Evening Shift]

- (1) Copper(s) > Bromine(l) > Helium(g)
- (2) Bromine(l) > Copper(s) > Helium(g)
- (3) Helium(g) > Bromine(l) > Copper(s)
- (4) Helium(g) > Bromine(l) = Copper(s)

Scan or tap for the
full solution



Q.2 Given below are two statements :

Statement-I: For an ideal gas, heat capacity at constant volume is always greater than the heat capacity at constant pressure.

Statement-II: In a constant volume process, no work is produced and all the heat withdrawn goes into the chaotic motion and is reflected by a temperature increase of the ideal gas.

In the light of the above statements, choose the correct answer from the options given below

[JEE Main 2026 (Online) 4th April Morning Shift]

- (1) Both Statement-I and Statement-II are true
- (2) Both Statement-I and Statement-II are false
- (3) Statement-I is true but Statement-II is false
- (4) Statement-I is false but Statement-II is true

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2									
Ans.	2	4									