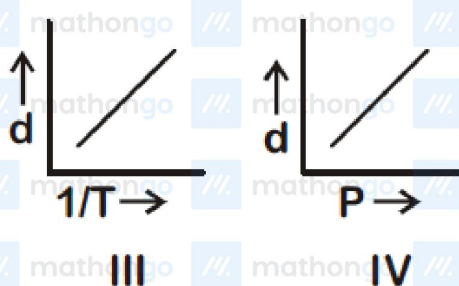
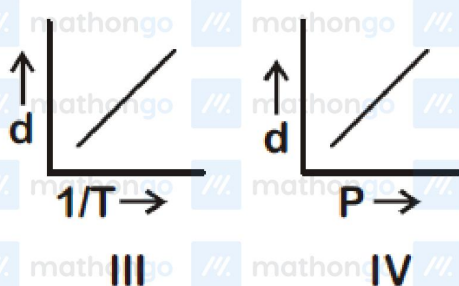
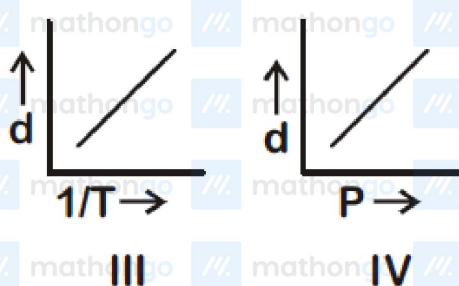
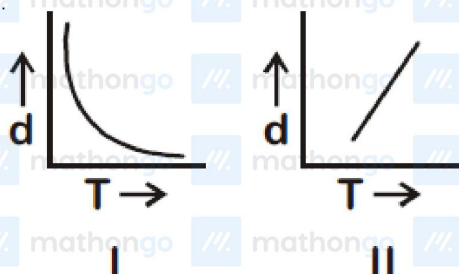


Q1 JEE Main 2020 - 2 September (Morning)

Which one of the following graphs is not correct for ideal gas?



d = Density, P = Pressure, T = Temperature

- (A) II
- (B) III
- (C) I
- (D) IV

Q2 JEE Main 2020 - 3 September (Evening)

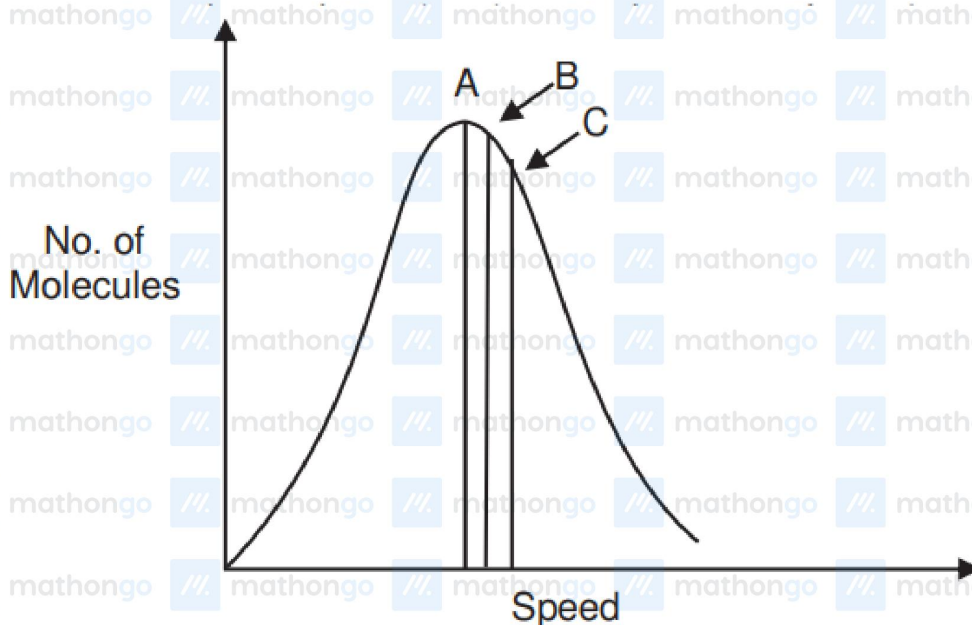
A mixture of one mole each of H_2 , He and O_2 each are enclosed in a cylinder of volume V at temperature T . If the partial pressure of H_2 is 2 atm, the total pressure of the gases in the cylinder is

- (A) 14 atm
- (B) 38 atm
- (C) 22 atm
- (D) 6 atm

Q3 JEE Main 2020 - 6 September (Morning)

A spherical balloon of radius 3cm containing helium gas has a pressure of 48×10^{-3} bar. At the same temperature, the pressure, of a spherical balloon of radius 12cm containing the same amount of gas will be $\times 10^{-6}$ bar.

Q4 JEE Main 2020 - 7 January (Evening)

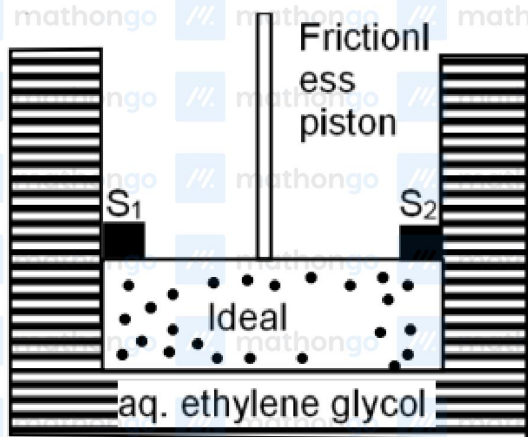


- (A) $A = C_{MPS}$, $B = C_{Average}$, $C = C_{RMS}$
 (B) $A = C_{Average}$, $B = C_{MPS}$, $C = C_{RMS}$
 (C) $A = C_{RMS}$, $B = C_{Average}$, $C = C_{MPS}$
 (D) $A = C_{MPS}$, $B = C_{RMS}$, $C = C_{Average}$

Q5 JEE Main 2020 - 9 January (Evening)

A cylinder containing an ideal gas (0.1 mol of 1.0 dm^3) is in thermal equilibrium with a large volume of 0.5 molal aqueous solution of ethylene glycol at its freezing point. If the stoppers S_1 and S_2 (as shown in the Figure) are suddenly withdrawn, the volume of the gas in litres after equilibrium is achieved will be

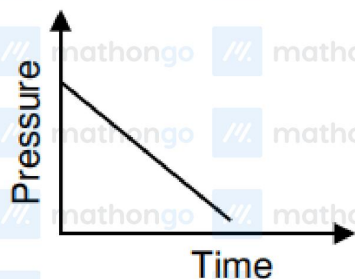
(Given, K_f (water) = $2.0 \text{ K kg mol}^{-1}$, $R = 0.08 \text{ dm}^3 \text{ atm K}^{-1} \text{ mol}^{-1}$)



Q6 JEE Main 2020 - 9 January (Evening)

A mixture of gases O_2 , H_2 and CO are taken in a closed vessel containing charcoal. The graph that represents the correct behaviour of pressure with time is:

(A)



Gaseous State

JEE Main 2020 Chapterwise

Questions with Answer Keys

Chemistry

(B) mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo



(C) mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo



(D) mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo mathongo



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Gaseous State

Questions with Answer Keys

JEE Main 2020 Chapterwise

Chemistry

Answer Key

Q1 (A)

Q2 (D)

Q3 (750)

Q4 (A)

Q5 (2.18)

Q6 (B)

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