

Q3/ Plot the phase diagram of the system (A & B) assumed that (A & B) do not react with each other. A freezes at (-5 °C) and B freezes at (7 °C), and that an eutectic mixture is formed when the ratio is 70 wt % of A and that the eutectic melts at (-10 °C), then label all the parts (p & F) of the diagram? (Marks 25%)

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Best wishes

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Pi = 30 torr, Ti = 25.K, = Pf = 15. torr, Tf=2 * ice o this dirivet 10m to DrupH JBKJ Moi In Pi Diaght () In 33 = 45 KJ MOI (250 TE) (n2 = <u>45K5moi</u> (<u>250 - +</u>) 69,3 = 13.57 (0.004 - TO) 69.3 - 13.58-(0.00 tt) LF = 22:43 = 133K 75-20-E1 mill