- 1. (a) FALSE
 - (b) FALSE
 - (C) TRUE
 - (d) FALSE
 - (t) TRUE

- 2. $(a) \rightarrow (\Sigma)$
 - (b) -> (i)
 - $(c) \rightarrow (iI)$
 - $(d) \longrightarrow (iii)$
 - $(e) \rightarrow (ii)$

(1×5=5)

3. Given:

At P = 200 KPa

vg = 0.88578 m3/kg

Vf = 0.001061 m3/kg mass X = 0.75 (since 75% lot the Saturated liquid vapour)

V = Vf + x (~g - vf)

= 0.001061 + 0.75 (0.88578

-0,001061)

= 0.0010601 + 0.75 (0.884719)

= 0.001061 + 0.66353925

= 0.66460025 m3/kg

(5)