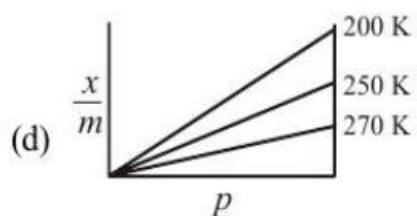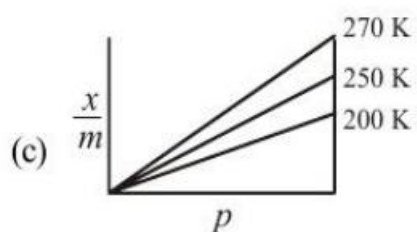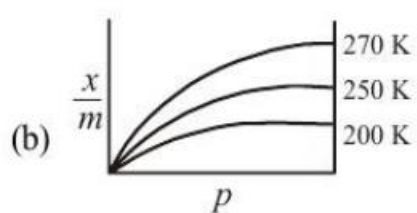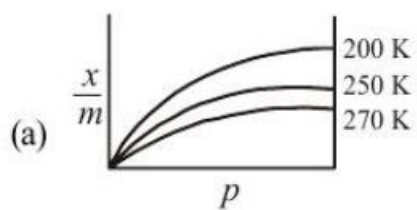2. Adsorption of a gas follows Freundlich adsorption isotherm. If x is the mass of the gas adsorbed on mass m of the adsorbent, the correct plot of $\frac{x}{m}$ versus p is :

[Sep. 05, 2020 (II)]

(a)

(b)

(c)

(d)

Ans. (a)

2. (a) As adsorption is exothermic process, hence $\frac{x}{m}$ decreases with increase of temperature.