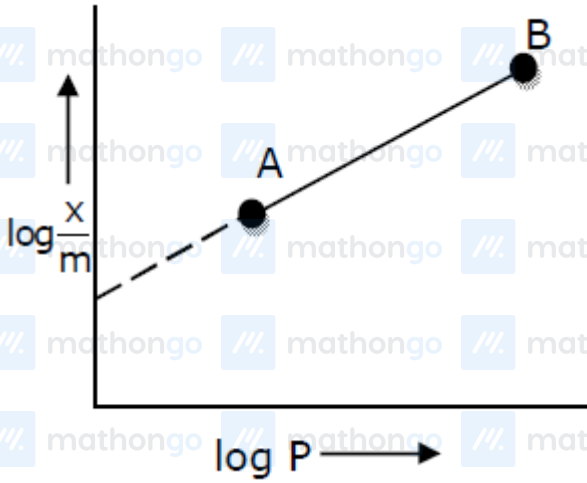


Questions with Answer Keys

MathonGo

Q1: 24 Feb (Shift 1) - Single Correct

In Freundlich adsorption isotherm, slope of AB line is



- (1) $\frac{1}{n}$ with $\left(\frac{1}{n} = 0 \text{ to } 1\right)$
- (2) $\log \frac{1}{n}$ with $(n < 1)$
- (3) $\log n$ with $(n > 1)$
- (4) n with $(n, 0.1 \text{ to } 0.5)$

Q2: 24 Feb (Shift 2) - Single Correct

Most suitable salt which can be used for efficient clotting of blood will be :

- (1) $\text{Mg}(\text{HCO}_3)_2$
- (2) FeSO_4
- (3) NaHCO_3
- (4) FeCl_3

Q3: 25 Feb (Shift 1) - Single Correct

In Freundlich adsorption isotherm at moderate pressure, the extent of adsorption $\left(\frac{x}{m}\right)$ is directly proportional to P^x . The value of X is:

- (1) ∞
- (2) 1

Questions with Answer Keys

MathonGo

(3) zero

(4) $\frac{1}{n}$

Q4: 25 Feb (Shift 2) - Single Correct

Which one of the following statements is FALSE for hydrophilic sols ?

- (1) These sols are reversible in nature
- (2) The sols cannot be easily coagulated
- (3) They do not require electrolytes for stability.
- (4) Their viscosity is of the order of that of H_2O

Q5: 26 Feb (Shift 2) - Single Correct

The nature of charge on resulting colloidal particles when $FeCl_3$ is added to excess of hot water is:

- (1) positive
- (2) neutral
- (3) sometimes positive and sometimes negative
- (4) negative

Questions with Answer Keys

MathonGo

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Answer Key

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Q1 (1)

Q2 (4)

Q3 (4)

Q4 (4)

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Q5 (1)

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