

BT-306 (Bioseparation Engineering)

Quiz-I

Date: 15.02.2024

Total Marks: 10

Q1: In case of elution chromatography define **yield** and **purity** with their mathematical expression.
Marks = 2

Q2: What is **HTU** and **NTU**. Explain with formula? Marks = 2

Q3: For large scale precipitation, under diffusion limited growth, express the growth of particles in terms of average molecular weight (\bar{M}). Show the expression with derivation of each step clearly.
Marks = 3

Q4. Derive the expression of drying time (t_c), for constant rate period, in case of adiabatic drying.
Marks = 3
