Unit 9 - Week 7 Extraction and membranes

Assignment 7

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2018-09-18, 23:59 IST.

1) In aqueous two-phase extraction
- both the fluids are aqueous
- one is water and the other is organic
- both are aqueous
- both are mixture of water and organic

No, the answer is incorrect.
Score: 0
Accepted Answers:
Both the fluids are aqueous

2) Increasing molecular weight of polymer in aqueous two-phase extraction
- decrease partition
- increase partition
- partition remains same
- partition stops

No, the answer is incorrect.
Score: 0
Accepted Answers:
Increase partition

3) Which is not a surface active agent
- SDS
- Tween 80
- PEO
- dodecane

No, the answer is incorrect.
Score: 0
Accepted Answers:
Dodecane

4) To inhibit partitioning in reverse micelles
- increase salt concentration
- increase surfactant amount
- increase ionic strength
- increase temperature

No, the answer is incorrect.
Score: 0

5) Ternary is not a mentioned reaction
- hydrolysis
- electron transfer
- proton transfer
- condensation

No, the answer is incorrect.
Score: 0
Accepted Answers:
Condensation

6) Increasing molecular weight of polymer in one phase decreases the concentration of the protein in that phase as [protein] + = k [protein] \text{PEG} at molar masses of 30,000 and 45,000, respectively, what is the concentration of the protein if I have polymer of 30,000 molecular weight added?

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Equation 5.1, 5.2, 5.3)

7) Which membrane does not have pores
- Membrane filtration
- Ultratransfiltration
- Permeation
- Dialysis

No, the answer is incorrect.
Score: 0
Accepted Answers:
Permeation

8) Desalination of sea water is achieved by
- Reverse filtration
- Ultrafiltration
- Reverse osmosis
- Electrodialysis

No, the answer is incorrect.
Score: 0
Accepted Answers:
Reverse osmosis