Assignment 12

The due date for submitting this assignment has passed.

Due on 2021-04-16, 23:59 IST.

As per our records you have not submitted this assignment.

1) molecules that react with the solvent, forming them the oppositely charged ions are classified as
   □ lipids/nons
   □ ions/charges
   □ ionic salts
   □ none
   No, the answer is incorrect.
   Score: 0

2) A steady state assumption in slow cationic polymerization is valid only if
   □ Rate of initiation = Rate of termination
   □ Rate of initiation > Rate of propagation
   □ Rate of propagation > Rate of initiation
   □ none of the above
   No, the answer is incorrect.
   Score: 0

3) Channel forming liposomes introduce a hydrophilic pore into the membrane allowing specific cations to pass through without coming in contact with the hydrophobic interior of the membrane
   □ True
   □ False
   No, the answer is incorrect.
   Score: 0

4) The dissociation of basic ions does not occur in thermodynamic equilibrium
   □ highly ionic
   □ slightly ionic
   □ slightly ionic/mixed
   □ none of the above
   No, the answer is incorrect.
   Score: 0

5) Potassium or Sodium Acetate initiate cationic polymerization by protonation of the dienophile. The union of that acid should not be highly nucleophilic.
   □ If the product is highly nucleophilic, it will terminate the protonated diene by combination
   □ True
   □ False
   No, the answer is incorrect.
   Score: 0

6) For a compound to act as a cationic initiator in ionic polymerization, it should be
   □ Highly nucleophilic
   □ Less nucleophilic
   □ Highly electrophilic
   □ Less electrophilic
   No, the answer is incorrect.
   Score: 0

7) For a compound to act as a cationic initiator in ionic polymerization, it should be highly nucleophilic so as to prevent early termination due to combination with protonated diene.
   □ True
   □ False
   No, the answer is incorrect.
   Score: 0

8) Ionic polymerizations proceeding with intramolecular rearrangement are referred to as isomerization polymerization. It has the following characteristics
   □ Low molecular weight products are formed
   □ High molecular weight products are formed
   □ Polymer is the final product
   □ Complex compound is formed due to high intramolecular rearrangement
   No, the answer is incorrect.
   Score: 0

9) During polymerization reaction in isoncic polymerization, chain transfer to counter ion differs kinetically from chain transfer to monomer in that the rate of transfer is linearly dependent on monomer while chain transfer to counter ion is _______ in monomer.
   □ first-order, zero-order
   □ zero-order, first-order
   □ third-order, second-order
   □ second-order, zero-order
   No, the answer is incorrect.
   Score: 0

10) Ionic polymerization contains the following points:
   □ solvent has no effect on ionic polymerization
   □ if it is a monomer selective polymerization
   □ very sensitive to impurities
   □ it is a bimolecular termination reaction
   □ requires external agent like water to terminate the reaction
   No, the answer is incorrect.
   Score: 0