Assignment 12

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

1) Which of the following statements is/are true?
   - Heparin is obtained from plants having two monomeric units
   - Biofilms make antibiotic less effective
   - Peptide can be attached to the free hydroxyl group of chitosan via amide coupling reactions
   - Polyethylene glycol attachment increases hydrophilicity in chitosan

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Heparin is obtained from plants having two monomeric units
   - Peptide can be attached to the free hydroxyl group of chitosan via amide coupling reactions

2) Why is Chitin converted to chitosan?
   - Chitin is toxic in nature
   - To enhance solubility
   - Impart functional group
   - All of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - To enhance solubility
   - Impart functional group

3) Which of the following statements is/are true about nanoparticles synthesized from polysaccharides?
   - has low toxicity
   - are biodegradable and biocompatibles
   - polysaccharides can be used as reducing agents
   - Contains functional groups on the surface

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - has low toxicity
   - are biodegradable and biocompatibles
   - polysaccharides can be used as reducing agents
   - Contains functional groups on the surface

4) Gold nanoparticles:
   - Upon aggregation gives dark pink color
   - Can be used to check single base mutation in DNA
   - Cannot be used to check immobilizations

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Upon aggregation gives dark pink color
   - Can be used to check single base mutation in DNA

5) Which of the following is an epimeric pair?
   - D-Glucose and D-Glucosamine
   - D-Glucose and D-Mannose
   - D-Glucose and L-Glucose
   - D-Lactose and D-Sucrose

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - D-Glucose and D-Mannose

6) Minimum number of Carbon required for a monosaccharide to form are:
   - 1
   - 2
   - 3
   - 4

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - 3