

Exam 3

Multiple Choice questions: Q 1-40. Highlight or mark the correct answer. (2 point each)

1. The following is a polymer.
 - a. Glucose
 - b. Polysaccharide
 - c. DNA
 - d. **B & C are true**
2. The following is a naturally occurring polymer.
 - a. Celluloid
 - b. **Silk**
 - c. Plastic
 - d. A & B
 - e. All of the above
3. The following is true for Addition polymers.
 - a. **During synthesis, all of the monomers combine with each other**
 - b. During synthesis, only parts of monomers combine with each other
 - c. H₂O is a common byproduct.
 - d. None of the above are true
4. The following is true for condensation polymers.
 - a. During synthesis, only parts of monomers combine with each other
 - b. H₂O is a common byproduct of condensation synthesis in a cell.
 - c. Starch is a condensation polymer
 - d. **All of the above are true**
5. The following is always a reactant in hydrolysis reaction in a cell.
 - a. **H₂O**
 - b. HCl
 - c. NH₃
 - d. None of the above
6. Hydrocarbons are made of _____ and _____.
 - a. **C, H**
 - b. C, O
 - c. C, S
 - d. C, P
7. As you increase the length of hydrocarbon chain, the molecules becomes more _____.
 - a. Polar
 - b. **Nonpolar**
8. Ionizing radiation