

### Exam 3

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

- The following is a polymer.
  - Glucose
  - Polysaccharide
  - DNA
  - B & C are true**
- The following is a naturally occurring polymer.
  - Celluloid
  - Silk**
  - Plastic
  - A & B
  - All of the above
- The following is true for Addition polymers.
  - During synthesis, all of the monomers combine with each other**
  - During synthesis, only parts of monomers combine with each other
  - H<sub>2</sub>O is a common byproduct.
  - None of the above are true
- The following is true for condensation polymers.
  - During synthesis, only parts of monomers combine with each other
  - H<sub>2</sub>O is a common byproduct of condensation synthesis in a cell.
  - Starch is a condensation polymer
  - All of the above are true**
- The following is always a reactant in hydrolysis reaction in a cell.
  - H<sub>2</sub>O**
  - HCl
  - NH<sub>3</sub>
  - None of the above
- Hydrocarbons are made of \_\_\_\_\_ and \_\_\_\_\_.
  - C, H**
  - C, O
  - C, S
  - C, P
- As you increase the length of hydrocarbon chain, the molecules becomes more \_\_\_\_\_.
  - Polar
  - Nonpolar**
- Ionizing radiation