An example from the Fall 1998 Examination #3:

3.	. ($(20)^{-1}$	points)
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For each of the following five (5) questions, circle the number that corresponds to the correct answer.

- A. D-glucose differs from D-fructose in:
 - 1. the number of carbons
 - 2. the overall oxidation level
 - 3. the position and identity of the carbonyl group
- B. Amylose is a:
 - 1. step-growth homopolymer of D-glucose
 - 2. step-growth copolymer of D-glucose and D-fructose
 - 3. chain-growth homopolymer of D-glucose
- C. The α and β -anomers of D-galactose are:
 - 1. enantiomers
 - 2. diastereomers
 - 3. structural isomers
- D. The second sequence of steps in a Robinson annulation is an intramolecular aldol condensation followed by a dehydration. The intramolecular reaction occurs instead of an intermolecular one due to:
 - 1. sterics
 - 2. resonance
 - 3. entropy
- E. Cellulose contains D-glucose molecules linked together by
 - 1. α -1,4'-glycosidic bonds
 - 2. β-1,4'-glycosidic bonds
 - 3. β-1,6'-glycosidic bonds