

3 章 試 験

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番号	フリガナ () 氏名
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1. 各設問の答えとなるアミノ酸を3文字記号で書きなさい (各2点)。

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| 1. 側鎖として1個の水素をもつアミノ酸は何か? | 1. () |
| 2. 芳香環側鎖をもつ4種類のアミノ酸は何か? | 2-1. () |
| | 2-2. () |
| | 2-3. () |
| | 2-4. () |
| 3. 水酸基(-OH基)を含む芳香族以外の2種類のアミノ酸は何か? | 3-1. () |
| | 3-2. () |
| 4. 酸性側鎖をもつ2種類のアミノ酸は何か? | 4-1. () |
| | 4-2. () |
| 5. チオール基(-SH基)を含むアミノ酸は何か? | 5. () |
| 6. 塩基性側鎖をもつ2種類のアミノ酸は何か? | 6-1. () |
| | 6-2. () |
| 7. 上記5以外で疎水性側鎖をもつ3種類のアミノ酸は何か? | 7-1. () |
| | 7-2. () |
| | 7-3. () |

2. 四角の中に単語あるいは数字を選択肢から選び入れて文章を完成させなさい (各1点)。

The between adjacent amino acids along a β is approximately Å, in contrast with a distance of Å along an α helix. The side chains of adjacent amino acids point in directions. A β is formed by linking two or more β by bonds. Adjacent chains in a β can run in directions (antiparallel β sheet) or in the direction (parallel β sheet). In the antiparallel arrangement, the group and the group of each amino acid are respectively bonded to the CO group and the NH group of a partner on the adjacent chain. In schematic , β -strands are usually depicted by broad pointing in the of the -terminal end to indicate the of β sheet formed - parallel or .

語句選択肢: coil, helix, helices, strand, strands, sheet, sheets, peptide, peptides, (複数回使用有) same, opposite, adjacent, 1.5, 1.8, 3.5, 3.6, 5.4, single, covalent, bands, hydrogen, NH, NH₃⁺, proteins, diagrams, CO, COO⁻, N, C, distance, vertical, antiparallel, ribbons, arrows, maps, type, process, direction.