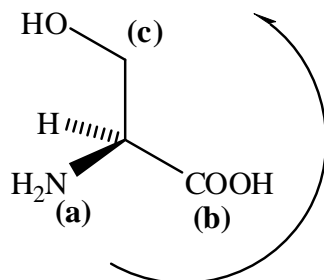


Marks
6

- The amino acid serine is shown below:



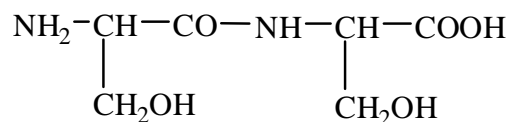
List the substituents attached to the stereogenic centre in order of decreasing priority.

highest priority				lowest priority
NH₂	COOH	CH₂OH	H	

Assign the absolute configuration of the stereoisomer shown above.

S

Draw the dipeptide formed by the condensation of two serine residues.



Explain briefly what is meant by the *primary structure* of a protein.

The primary sequence is the sequence in which the amino acids occur. For example, ala-ser-tyr:

2

- Draw the repeating unit of the polymer formed in the following reaction.

