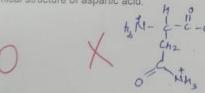
- 5. Draw the structures of adenine and thymine and show the Watson-Crick base pairing via hydrogen bonding
 - Nos Ademon
- Thy mice
- Adamic and Thymnu Jerms single bond

 Are to Watson cruth 7.5
- 6 The tert-butyloxycarbonyl group (Boc group) is used to protect the amine in peptide synthesis. The Boc protection a achieved by reacting the amine with Boc anhydride (di-tert-butyl decarbonate) in the presence of a base. Draw the structure of Boc anhydride.
 - 0.4
- 7 Draw the chemical structure of tryptophan
 - · /
- Trypophan (W
- 13 N-CH-2-0-

- 8. Draw the chemical structure of serine.
 - 0 ×
- 4, Nt- Ch-8-
- 9 Draw the chemical structure of aspartic acid.



10. Dopamine is a neurotransmitter and is produced by decarboxylation of L-DOPA (L-3,4-dihydroxyphenylalanine) by the enzyme DOPA decarboxylase. Draw the structure of both dopamine and the precursor of L-DOPA.