Forma	ation of zwitterions is a characteristic property of α-amino acids.
(a)	Describe the structure of a zwitterion and explain its formation from an α-amino acid. Include the structural formula of the α-amino acid, serine, as a zwitterion in your answer. (4 marks)
	Serine zwitterion structure
(b)	Explain why α-amino acids have relatively high melting points compared to other polar compounds with similar molar mass. (3 marks)

**Question 29** 

(7 marks)