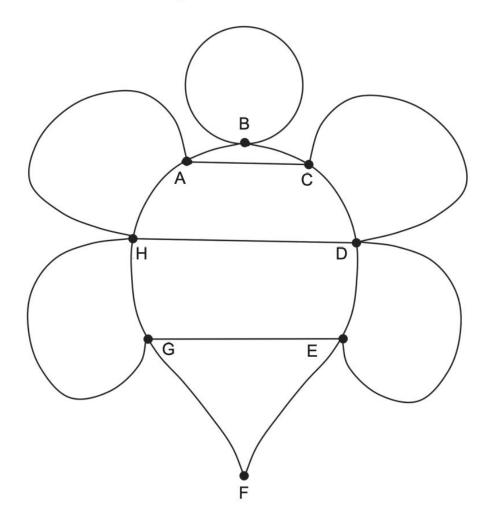
Question 1 (7 marks)

The network below shows the different paths around a botanical exhibition.



(a) Explain why this is **not** a simple graph. (1 mark)

(b) Is this network Eulerian or semi-Eulerian? Justify your response. (2 marks)

(c)	Use Euler's formula to prove that this network is planar.	(2 marks)
(d)	A visitor to the exhibition has taken her child in a pram and wishes to walk all path exactly once to see all the floral displays, excluding the walk back to the	
	the only car parks are located next to D and F, where would you suggest they	/ park? Use
	mathematical reasoning to support your answer.	(2 marks)