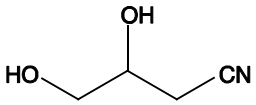
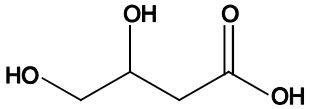
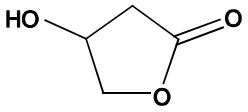
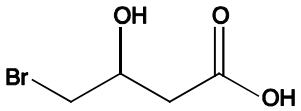
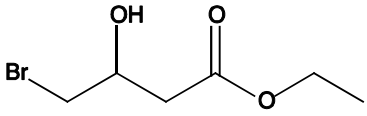
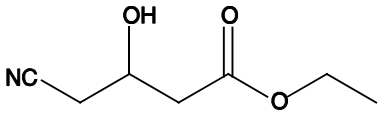
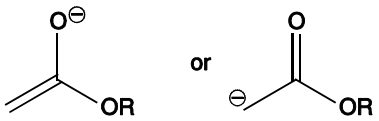
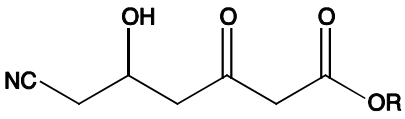
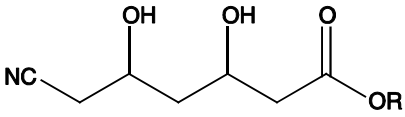
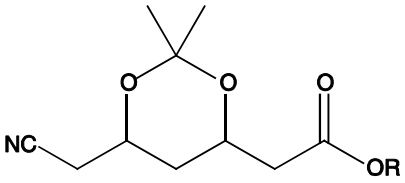
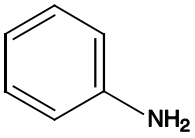
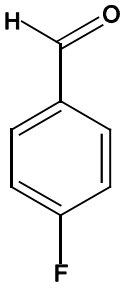
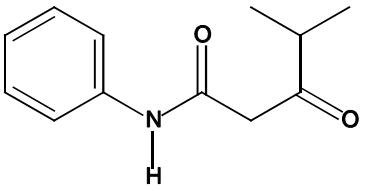
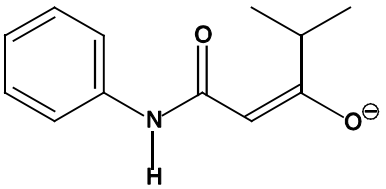
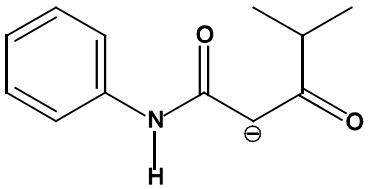
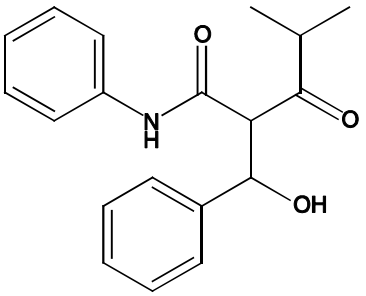
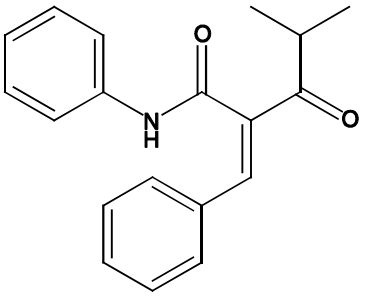
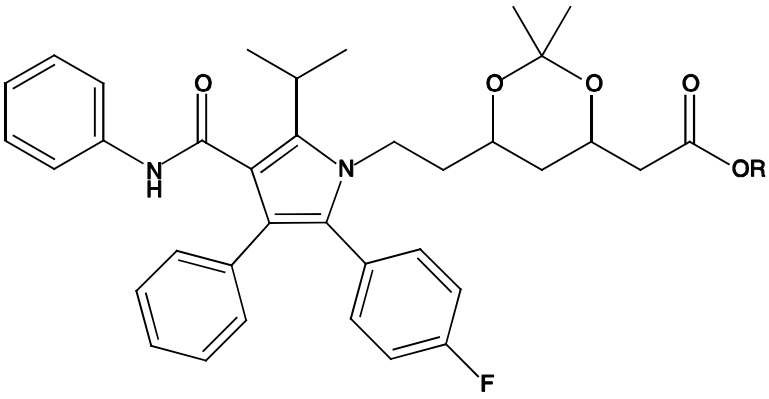
Question 4

		Answer	Marks
a)		**B**  	**1**
		C  	**1**
		D  	**1**
		E  	**1**
		F  	**1**
		G  absorption / cm^{-1}: ~ 3300 (broad) | **1775** | 2250-2275 | **3374** | 1700-1740 bond: **O–H** | C=O in a small ring | **C≡N** | N–H | **C=O** One mark for correct structure for **G**; one mark for each correct entry in table	**6**
b)		Anion I  2 marks (1 mark for this alternative)	**2**

Question 4 continued			
		Answer	Marks
c)		J 	3
		K 	
		L 	
d)		Phenylamine  4-fluorobenzaldehyde 	2

Question 4 continued

		Answer	Marks
e)		**O**  **P**  or  **Q**  **S**  (Full credit should be given if phenyl rings are shown as C_6H_5, or Ph)	**4**
f)		**U** 	**1**
		Total for Question 4	**23**