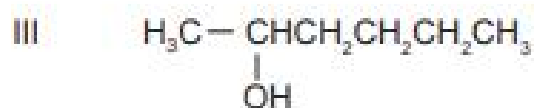
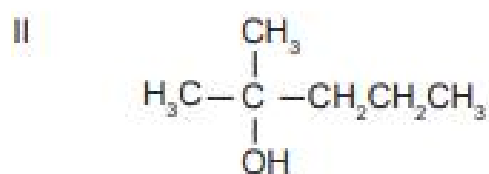


Question 32**(6 marks)**

Consider the following three isomers of $C_8H_{14}O$:



(a) State the IUPAC name for each isomer. (3 marks)

Isomer	IUPAC name
I	
II	
III	

- (b) Propose a chemical test and state the expected observations for each isomer that could be used to distinguish between isomer I and isomer II. (3 marks)

Chemical test: _____

Isomer I: _____

Isomer II: _____
