Practice Exam 1i - Answers


2. (a) ![Organic structure](image)
    (b) any one of the following
    ![Organic structures]
    (c) ![Organic structure](image)
    (d) $C_{17}H_{21}NO_4$
    (e) a. $\text{Csp}^2 + \text{Osp}^3$
        b. $\text{Csp}^2 + \text{Csp}^2$
        c. $\text{Csp}^2 + \text{Osp}^3$, $\text{Cp} + \text{Op}$
    (f) 120°

3. (a) Any three of the following
    ![Organic structures]
    (b) ![Organic structure](image)
    (c) ![Organic structures]
        Van der Waals
        Hydrogen bonding
        Hydrogen bonding
    (d) HF has hydrogen bonds between the F and the proton on the F, whereas there is no hydrogen bonding between molecules of ethyl fluoride.