1. Suggest suitable starting materials and reaction conditions (thermal or photochemical) for the synthesis of the following molecules using $[2+2]$ and/or $[4+2]$ cycloaddition strategy. (More than one step might be necessary in some cases) (2 x 10 = 20 marks)

(a)

(b)

(c)

(d)

(e)

(f)

(g)
(h)

(i)

(j)

END of Assignment