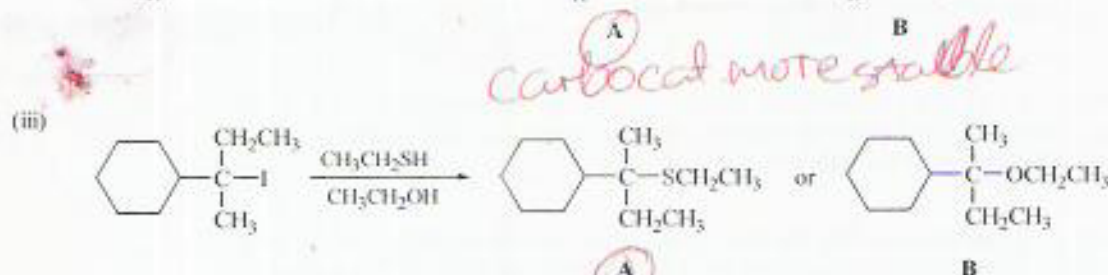
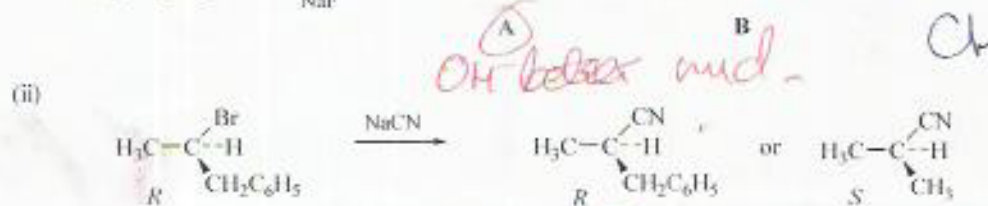


(b) (8 marks) For each of the following reactions (i)–(iii), which product, A or B, (if either) will predominate? Briefly explain your answer in each case. You can assume that the reaction conditions—for example, solvent, concentration, temperature—are the same for each reaction pair.



(c) (4 marks) What effect on the rate of reaction of Compound 1 with cyanide would you expect if the concentration of  $\text{CN}^-$  were to be halved and the concentration of 1 doubled.

