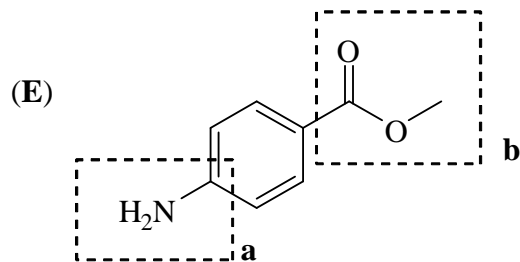


- The structure of methyl 4-aminobenzoate, (**E**), is given below.

Marks
5



Give the molecular formula of compound (**E**).

Name the functional groups in molecule (**E**) indicated by the boxes “**a**” and “**b**”.

a:	b:
-----------	-----------

Give the structure(s) of all organic products formed when compound (**E**) is treated with the following reagents. If no reaction occurs, write “NO REACTION”.

cold HCl (1 M)	
hot NaOH (4 M)	
hot HCl (4 M)	