4.	(a) Interrupts and memory mapping are common mechanisms for I/O.
	i. Explain the operation of interrupt-driven I/O. [5]
	ii. Compare the advantages and disadvantages of memory mapped I/O and interrupt-
	driven I/O. [5]
	(b) Microprocessors function on the basis of a set of interacting components.
	i. Give a detailed account of the fetch-decode-execute cycle. Your answer should
	give details of the specific microprocessor components involved. [8]

to bring about change in control flow during program execution.

iii. Distinguish between micro-operations and macro-instructions.

ii. Using a suitable example, explain how the condition code register (CCR) is used

[4]

[3]