5.	(a) Explain the operation of the I/O mechanisms listed below. Your answidentify the advantages and disadvantages of each mechanism, and use diagrams to illustrate your explanations.	
	i. Memory mapped I/O.	[5]
	ii. Polled I/O.	[5]
	iii. Interrupt-driven I/O.	[5]
	(b) Explain how context switching is related to interrupt-driven I/O. Commontext switching is required and how it is achieved.	nent on why [4]
	(c) Explain how direct memory access (DMA) operates, giving details of whappropriate to use DMA.	en it is most [6]