6.	(a)	List the six steps of the heuristic algebraic optimisation algorithm.	[12]
	(b)	Apply the optimisation algorithm to the following query.	
		SELECT Fname, Lname, Salary FROM EMPLOYEE, WORKS_ON, PROJECT WHERE Pno=Pnumber AND Ssn=Essn AND Pname='Product X';	
			[6]
	(c)	A file of 2016 blocks is to be sorted with an available buffer space of 10 blocks many passes will be needed in the merge phase of the external sort-malgorithm?	
	(d)	What are the benefits of pipelining over materialised evaluation?	[3]
	Tota	ll mark for this question: 25	