Subject: Compiler Design (B0532)

Q. No.	Question	Marks	BT Level	CO
	Module III			

1.	Construct Intermediate code for the following code segment along with the Syntax Directed Translation Scheme.
	if (a > b)
	    x = a + b;
	else
	    x = a - b;
	Where 'a' and 'x' are of real and 'b' of int type data.
		5	L3	3

	Module IV			
2.	Outline the following with an example a) Constant Propagation b) Partial Redundancy Elimination.	5	L4	4
3.	Describe Flow-Graph? Explain how the given program can be converted into Flow-Graph?	5	L3	4
	Module V			
4.	Summarize peephole optimization with an illustrative example.	5	L3	5
5.	Identify the detail about address descriptors and register descriptors for the expression X = (a+b) * (c-d) + ((e/f) * (a+b))	5	L4	5