T.E. (Computer) - VI S.P.C.C.

QP Code: 5061

	(3 Hours)	[Total Marks :	80
N.B. 1. Q.1 is Compulsory. 2. Solve any THREE from Q.2 3. Assume suitable data whe	to Q.6 never necessary, with justification.		
 Q.1 A) Differentiate between applicate B) State the reason for assembler C) Explain Functions of loader D) What is flow graph? State its s 	to be multipass program.		5 5 5 5
Q.2 (A) For following code what will b		ass-II for two pass	10
assembler. Explain with datab	ase.		
ABC Start	0		
	G *,15		
L	1,FIVE		
A	1,FOUR		
ST FOUR DC	1,TEMP F'4'		
FIVE DC	F'5'		
TEMP DS	1F		
END			
(B) Explain operator precedence	ce parser along with example		10
Q.3 (A) Generate three address code			10
While (a <b) do<="" td=""><td>4</td><td></td><td></td></b)>	4		
If (c <d) td="" then<=""><td>*</td><td></td><td></td></d)>	*		
x=y+2	••	4	
else			
x=y-2			
	· .		
(B) Discus with example quadruple, triple and indirect triple.			10
Q.4 (A) Construct predictive parsing	table for following grammar.		10
s→ A			
A→ aB Ad			
B→ bBC f			
C→ g			10
(B) Explain loop optimization	with example.		10
Q.5 (A) What are different issues in	code Generation, expalin in detai	Ι,	10
(B) Explain run time storage orga		•	10
Q. 6 Write short notes			20
(A) Code motion			
(B) LEX and YACC			
(C) Software tools			
(D) Left recursion and left fac	toring removal technique		