[4]

 $T \rightarrow T^*F/F$ ,  $F \rightarrow (E)/id$ For given string w = id + id\*id

$\mathrm{Q.5}\left(\mathrm{A}\right)$ Define Symbol table. Explain about the data structures for Symb	ol table. [3]
(B) What is intermediate code? Write the quadruple, triple, indirect t the expression:	riple for
(a*b) + (c+d)-(a+b+c+d) (C) What are the advantages of heap storage allocation?	[3]
<ul> <li>Q.6 (A) Can we reuse the symbol table space? Explain through an example (B) Explain the error occurred in various phases of compiler. How to them?</li> <li>(C) What you understand by the code optimization? Explain the loop optimization techniques.</li> </ul>	nandle [4]