(b) Explain the role of Lexical analyzer and Parser.

Answer any Two of the following

(a) What is 3-address code? Explain types of 3-address statements Explain

- (a) What is 3-address code? Explain types of 3-address statements. Explain various techniques to implement 3-address statements.
- **(b)** What is static checking? Give example of Static checks.
- (c) Write a short note on

Q.5

- (i)Register Allocation with graph coloring.
- (ii)Loop Optimization
