CA-3/ Compiler Design/ (PCC-CS501 / CS702)/ FM:25

ANSWER ALL QUESTIONS

1. i) What is syntax directed translation?

ii) What are the applications of syntax directed translation? 2+3

2. i) What is three address code?

ii) Write the three address code, quadruple representation and triple representation of the three address code for the following instruction. “ S=(X+Y)/(Z\*Q) ”. 1+3x3=10

3. i) What is type checking?

ii) Explain type conversion with example. 2+3

4. Write short note on any of the following : i) Control Stack ii) Symbol table. 5