

UNITED COLLEGE OF ENGINEERING AND RESEARCH, NAINI

Subject:- Compiler Design

Assignment

CS/IT(6th Sem)

Unit 3/4

Issue Date:20/04/2020

Submission Date:27/04/2020

=====

University Question

1. Write the three address code for the expression
x>y and p<q or s>t
2. What is **back patching** explain with example.
3. What are the different ways to write three address code? Write the three address code for the following code segment
while A<C and B<D do
 if A=1 then C=C+1
 else while A<=D do A=A+2
4. How is scope information represented in symbol table?
5. Discuss the various data structure used for symbol table with suitable example.
6. What are the lexical phase error, syntactic phase error and semantic phase errors? Explain with suitable example.
7. Why run-time storage management is required? How simple stack Implementation is implemented?
8. Draw the format of activation record in stack allocation and explain each field in it.