Manipal Institute of Technology
Department of Computer Science and Engineering
Second M.Tech. [CSE]
Assignment -3 [Improvement]
Advanced System software-CSE 5251

Time: 30 Minutes **Marks: 05 M**

Q-a) Differentiate between synthesized attribute and inherited attribute with the examples. Construct the DAG for the expression a+a+(a+a+a+(a+a+a+a)) and also write steps for constructing the DAG. **2M**

b) Translate the expression a[i] = b*c – b*c into Quadruples, Triples, and Indirect Triples. Generate code for the statements x = b*c, y=a+x , assuming all ariables are stored in memory locations. **2M**

c) Explain what is meant by (distribution) transparency, and give examples of different types of transparency. **1M**