3. (a) Explain what is meant by an Abstract Syntax Tree. Illustrate with an outline of the process to generate an AST for a Boolean expression. [7]
(b) Discuss the advantages and disadvantages of representing intermediate code in the form of dags instead of trees. [8]
(c) Show how the decimal value of a binary number can be generated using at-

tributes. Explain the difference between inherited and synthesized attributes.

[10]