uc3m Universidad Carlos III de Madrid

DEPARTMENT OF COMPUTER SCIENCE CARLOS III UNIVERSITY OF MADRID

Computer Science Language Processors

Rules

- The duration of the test is **60 minutes**
- Questions will not be answered during the test
- One cannot re-enter the classroom after leaving it
- The answers must be written using a pen (not a pencil)

1.- Given the grammar:

- a) Calculate the FIRST and FOLLOW sets.
- b) Using the algorithm, determine if it is an LL(1) grammar.
- c) Construct the analysis table for the LL(1) table-driven top-down predictive parsing.

