

## CS166 Database Management Systems

### Quiz 1 (open-notes, open-discussion)

Name: \_\_\_\_\_ SID: \_\_\_\_\_

Part (a) Design an E/R diagram for the Ministry of Magic based on the provided specs.

Part (b) Design a relational Schema for the ER diagram in part (a)

Part (c) Provide the answer (using relational algebra) to the queries specified in the specs based on the relations created in part (b).