Name: _____ **Roll#:** _____

Start Time: _____ **End Time:** _____

Maximum Time Allowed: 30 min

Questions- Case Study 2- AspectOCL

1. Considering **AspectOCL Constraint# 2**, Change the constraints by replacing iterator **"select"** with iterator **"one"** and correspondingly removing **size () =1** from the end of constraint. **(Make changes directly on constraints sheet)**

2. For **AspectOCL constraint# 3**, Replace the clause *oclIsTypeOf(A)* with *oclIsKindOf(A).* Update the mapping by changing the value of variable A, i-e, replace *Player* and *Administrator* with *RegisteredUser*. **(Make changes directly on constraints sheet)**

3. For **AspectOCL constraint# 5**, perform following tasks. **(Make changes directly on constraints sheet for both parts)**
   a. Replace the clause *A.oslIsTypeOf(B)* with *A.oclIsKindOf(Move).*
   b. Update the post condition of operations by appending following clause with the constraints using an **"and"** operator.
   Undo.player_value = Sudoku.value

4. For **AspectOCL constraint# 7**, delete the following clause from the constraint. **(Make changes directly on constraints sheet)**
   sudoku.finished = false