**Problem 4**

1. Consistency Rule 3 Resolution: The problem can be solved either by renaming the attribute(Attribute1-3) in either supertype or subtype.
2. Consistency Rule 6 Resolution: The problem can be solved either adding one or more identifying relationships or by changing the weak entity (Entity4 ) into a regular entity
3. Consistency Rule 7 Resolution: The problem can be solved using one or more weak entities or making relationship (Rel2) non-identifying.
4. Consistency Rule 8 Resolution: The problem can be solved by changing the weak entity cardinality in Rel4 to (1,1).
5. Consistency Rule 9 Resolution: Normally the problem can be solved by removing the redudant foreign keys.