T1-tsa-ra.docx

Student ID: 33049246

Student Name:Xiaowen Zhou

Unit Code: FIT2094

Applied Class No: Applied 01, Melbourne Wed 18:00

Comments for your marker:

Write the **relational algebra operations** for each of Task 1 queries below (your answer must show an *understanding of query efficiency*).

List of symbols for copying/pasting as you enter your answers below:

project: π, select: σ, join: ⨝, intersect: ⋂, union: ⋃, minus: -

1(a)

List the id, name and state of all towns which do not have any point of interest.

1(b)

List the id, name, street address and description of all points of interests which fall under ‘Nature and Wildlife’ type and have a review rating above 3.

1(c)

List member id, member given name, poi id, poi name, review date time, review rating and review comment of all reviews written for POIs which are located in a town named Broome (latitude:-17.9644, longitude:122.2304)