**Question 1 – SQL Queries**

SELECT diagnosis\_code

1. FROM (SELECT diagnosis\_code

FROM diagnoses

WHERE is\_chronic = ‘TRUE’)

ORDER BY COUNT(diagnosis\_code) DESC

LIMIT 5;

1. SELECT MONTH(STR\_TO\_DATE(‘consult\_date’, '%m/%d/%Y'))

AS Month, diagnoses.diagnosis\_code,

COUNT (diagnoses.diagnosis\_code),

DENSE\_RANK ( ) OVER (

PARTITION BY Month

ORDER BY COUNT (diagnoses.diagnosis\_code) DESC) count\_rank

FROM consults

LEFT JOIN diagnoses

ON consult\_id

WHERE diagnoses.is\_chronic = ‘FALSE’

AND count\_rank <= 5;

1. SELECT prescriptions.medication\_id , diagnoses.diagnosis\_code ,

DENSE\_RANK( ) OVER (

PARTITION BY diagnoses.diagnosis\_code

ORDER BY COUNT(prescriptions.medication\_id) DESC) count\_rank

FROM prescriptions

LEFT JOIN diagnoses

ON consult\_id

WHERE diagnoses.diagnosis\_code

IN (SELECT diagnosis\_code

FROM (SELECT diagnosis\_code

FROM diagnoses

WHERE is\_chronic = ‘TRUE’)

ORDER BY COUNT(diagnosis\_code) DESC

LIMIT 5;)

AND count\_rank <= 5;