1.

a. Display the course ID and course name for all courses with an ISM prefix:

Query:

SELECT CourseID, CourseName

FROM Course

WHERE CourseID LIKE ‘ISM%’;

b. Display all courses for which Professor Berndt has been qualified:

Query:

SELECT FacultyName, Course.CourseID, CourseName

FROM Faculty, Course, Qualified

WHERE Qualified.FacultyID = 3467

AND Faculty.FacultyID= Qualified.FacultyID

AND Course.CourseID=Qualified.CourseID;

c. Display the class roster, including student name, for all students enrolled in section 2714 of ISM 4212:

Query:

SELECT Student.StudentID, StudentName,

Section.CourseID, Registration.SectionNo, Semester

FROM Student, Registration, Section

WHERE Section.SectionNo= Registration.SectionNo

AND Student.StudentID= Registration.StudentID AND Registration.SectionNo=2714

AND Section.Semester=‘I-2008’

AND Registration.Semester=‘I-2008’

ORDER BY StudentName;

2. Which instructors are qualified to teach ISM 3113?

Query:

SELECT Faculty.FacultyName

FROM Faculty, Qualified

WHERE Qualified.FacultyID=Faculty. FacultyID

AND Qualified.CourseID=‘ISM 3113’;

3. Is any instructor qualified to teach ISM 3113 and not qualified to teach ISM 4930?

Query:

SELECT Faculty.FacultyName

FROM Faculty, Qualified

WHERE Qualified.FacultyID=Faculty. FacultyID

AND Qualified.CourseID=‘ISM 3113’

AND NOT (Qualified.CourseID=‘ISM 4930’);

4.

a. How many students are enrolled in section 2714 during semester I-2008?

Query:

SELECT COUNT (DISTINCT (StudentID))

FROM Registration

WHERE SectionID = 2714

AND Semester = ‘I-2008’;

b. How many students are enrolled in ISM 3113 during semester I-2008?

Query:

SELECT COUNT (DISTINCT (StudentID))

FROM Section, Registration

WHERE Section.SectionNo = Registration.SectionNo

AND CourseID = ‘ISM 3113’

AND Semester = ‘I-2008’;

5. Which students were not enrolled in any courses during semester I-2008?

Query:

SELECT DISTINCT StudentID, Student\_NAME

FROM Student

WHERE NOT EXISTS

(SELECT \* FROM Registration

WHERE Student.StudentID =

Registration.StudentID

AND Semester= ‘I-2008’);