**A:08**

1. List the student ID of the student that has enrolled in the most sections of 100 level courses (100 - 199).

**SELECT student\_id** **, COUNT(section\_id) AS "Most Sections Taken"**

**FROM enrollment**

**WHERE section\_id BETWEEN 100 AND 199**

**HAVING COUNT(student\_id) =**

**(SELECT MAX(COUNT(student\_id))**

**FROM enrollment**

**GROUP BY student\_id)**

**GROUP BY student\_id;**

1. Provide the student\_id and name of the student(s) that scored highest on the final exam (FI) in course 230 section 99.

**SELECT s.student\_id, s.first\_name, s.last\_name, t.course\_no, t.section\_id,**

**MAX(g.numeric\_grade) AS "Highest Final Exam"**

**FROM student s, grade g, section t**

**WHERE s.student\_id = g.student\_id**

**AND g.section\_id = t.section\_id**

**AND g.numeric\_grade =**

**(SELECT MAX(numeric\_grade)**

**FROM grade**

**WHERE grade\_type\_code = 'FI')**

**AND g.grade\_type\_code = 'FI'**

**AND t.section\_id = '99'**

**AND t.course\_no = '230'**

**GROUP BY s.student\_id, s.first\_name, s.last\_name, t.course\_no, t.section\_id**

**ORDER BY s.student\_id;**

1. List the name and phone number of instructors who have never taught a course section.

**SELECT instructor\_id, first\_name, last\_name**

**FROM instructor**

**WHERE instructor\_id NOT IN**

**(SELECT instructor\_id**

**FROM section)**

**ORDER BY instructor\_id;**

1. Generate an alphabetic listing containing the last names and final exam grade (FI) of students who scored above average on the final exam for section 89.
2. List the course number and course description of the course with the highest number of enrolled students.
3. List course number and course description for all courses that don’t have at least one 9:30AM section.  Sort by course number.
4. List the student\_id and last name of the students who received an above average grade on Quiz #3 in section 120.
5. List the student id, last name and the final exam grade for students in section 142.
6. List the names of students who have taken both the Systems Analysis class and the Project Management class.
7. List the instructor name, course number and course description of the Java courses that have been taught by the Instructor that has taught the most Java courses.
8. List the names of instructors who have not used projects (PJ) as a basis for grading in their courses.
9. Determine the number of students who received a below average grade on the final exam (FI) in section 86.
10. List the city and state that have the highest number of students enrolled.
11. Provide the student\_id, name and final exam grade of the student(s) that scored highest on the final exam (FI) in course section 81.
12. List the student id and name of students who have taken the same course more than once .