

CS 5300 module4

Name

Student ID

Problem #1 (5 Points) (make sure your solution is clear and readable)

Assume the following relations:

Students(sid: integer, sname: string, login: string, age: integer, gpa: real)

Enrolled(studid: integer, cid: string, grade: string)

- a) Create a view for B-students (name, sid, course)

```
CREATE VIEW      B-students (name, sid, course)
AS              SELECT S.name, S.sid, E.cid
FROM            Student S, Enrolled E
WHERE           S.sid = E.studid AND E.grade = 'B';
```

Problem #2 (10 Points)

Name and briefly discuss three distinct advantages of views.

A view provides a certain amount of logical data independence,
Views allow the same data to be seen by different users differently,
The user's perception is simplified,
Automatic security is provided for hidden data.
Support of Restructuring and Growth

