DA-I

Name: Brijan Dutta Reg. No.: 23MCA0131 Course: PMCA503L - Database Systems Question: Consider a university dalabase for the scheduling of classrooms for final exams Answer: Entities & its Attributes: O Course:

-name (the name of the course)

-depositment (the depositment to which it belongs)

- C-no (unique course identification number) (1) Section: - 5-no (the section number)
- ennollment (capacity of each section) - in_id (unique instructor id) - name (name of the instruction)

- depositment (the depositment which they teaches)

- contact_into (their contact information) (V) Room: - no (the moom number)

- capacity (the fotal capacity of the moom)

- building (the name of the building)

- c-id (the course id) - section_id (the section id) - 9100m_no (the 9100m noumber) - date-time (the stanting time of exam) - dwration (how long the exam is) In this scenario, it utilizes five main entities: Course, Section, Instructor, Room, and Exam. Each Course is associated with sections that have specified enrollment capacities. Instructors one linked to courses to handle the teaching anignments. Rooms are uniquely identified and their availability managed. Exams are scheduled with priecise details, such as CourseID, Section ID, Room number, date; time and duration, ensuring no overlaps. Users can interact through an intuitive interface, facilitating scheduling while maintaing data integrity.
Reports can be generated and access is controlled for data security.

(in-id) phone comail (cid C-id (name) dept section Course Sections Instructor (ennollment) (name) is a conducted fon Staff Teacher no eid 3 peciality hosted Room Exam dwation date_time (sid Relationship Schema: Cowse cid name dept Section 5-18 c-id ennollment e_id Exam sid dwestion date-time e-id Room Luilding 91-no eid capacity Instructor email c-id Phone name Teacher speciality tid Staff sid nole in-id