



Bangladesh Army University of Engineering & Technology (BAUET)

Department of Computer Science and Engineering (CSE)

Batch: CSE-16

Class Test-02

Semester: Summer-2024

Course Code: CSE-2211

Course Title: Database Management Systems

Full Marks: 15

Time: 15 Minutes

	Marks
Q.1 Illustrate the <i>GROUP BY</i> and <i>HAVING</i> clause in SQL. [CO3-C2]	3
Q.2 Consider the following database schema construct the following SQL query: [CO3-C3] <i>Teacher</i> (<i>T_id</i> , <i>T_name</i> , <i>dept_name</i> , <i>city</i> , <i>salary</i>) <i>Department</i> (<i>dept_name</i> , <i>building</i> , <i>budget</i>)	12
i). Find the name of the teacher whose department is CSE and lives in Natore.	
ii). Find those departments where the average salary of the teachers is more than 60,000.	
iii). Delete all tuple in the teacher relation for those teachers associated with a department located in the Nexus building.	
iv). Find those departments for teachers which the average salary is greater than or equal to the average salaries of industrial and production department.	
v). Add a new column (column name is dept_color) to the department relation.	
vi). Give a 5 percent salary raise to teachers whose salary is less than average salary of all teacher.	