

Database Exam



Duration: 4 hours

Date: 27-Feb-2023

Suppose a software company is developing software for the human resource department. You are part of the database team. The business analyst has given you the following requirement.

The solution will capture the employee's details, including name, designation, family information, addresses, NID, Joining date, etc. The organization will have a designation-wise pay scale. The employees will receive designation-wise salaries every month. The system will capture the attendance of the employees.

Salary calculation will take place on the fifth day of every month. The system will deduct the day-wise wage if they are absent.

Per day salary = Total Salary/ number of working days excluding holidays.

Based on the above requirements, please answer the following questions.

- a) Write a script to create a database named "TechnoNextHR."
- b) Plan the tables and draw an ER diagram representing the relationship.
- c) Write the table script for the TechnoNextHR database.
- d) Establish primary keys and foreign keys for all the tables.
- e) Write a script to insert employee information with sample meaning full data.
- f) Write a stored procedure to calculate and pay the monthly salary.
- g) Write query to get designation wise male and female employees number.
- h) Write a stored procedure to generate the following attendance report for a particular month. Month will be selected as report filtering criteria.

Employee PIN	Employee Name	Gender	Month	designation	Total Working Days	Total Attendance	Attendance Percentage