UNIVERSITY OF NORTH BENGAL

B.Sc. Programme 5th Semester Examination, 2022

DSE1/2/3-P1-COMPUTER SCIENCE (1AL) (PRACTICAL)

DBMS LAB

Time Allotted: 2 Hours   Full Marks: 20

The figures in the margin indicate full marks.

Practical: 10
Viva : 05
Practical Copy: 05
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Total: 20
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Answer any *one* question on lottery basis

Create the following database schema and answer any *one* question:

Employee Schema

Field	Type	NULL	KEY	DEFAULT
emp_no	Char(4)	NO	PRIMARY	NIL
emp_name	Varchar (30)	NO		NIL
emp_job	Varchar (60)	NO		NIL
emp_boss	Char(4)	YES	FK	NIL
emp_hire_date	Date	NO		NIL
emp_dno	Integer	YES	FK	NIL
emp_commission	Decimal (10,2)	YES		NIL
emp_sal	Decimal (7,2)	NO		NIL

Department Schema

Field	Type	NULL	KEY	DEFAULT
dept_no	Integer	NO	PRIMARY	NULL
dept_name	Varchar (50)	Yes		NULL
dept_location	Varchar (50)	Yes		New Delhi

1. Write a SQL query to display Employee Name, Job, Hire Date, Employee Number for each employee with Employee number appearing first.

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2. Write a SQL query to display the employee name concatenated by a job separated by a comma.

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3. Write a SQL query to display the employee name and salary of all the employee earning more the Rs. 50000/-.

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4. Write a SQL query to display employee name and salary for all employees whose salary is between Rs. 60000/- and Rs. 90000/-.

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5. Write a SQL query to display employee name and department no. of all the employees in Dept 10 and Dept 30 in the alphabetical order by name.

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6. Write a SQL query to sort the data in descending order of salary and commission.

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7. Write a SQL query to display name of all the employees where the third letter of their name is "K".

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8. Write a SQL query to display name, hire date and day of the week on which the employee started.

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9. Write a SQL query to display unique listing of all jobs that are in department # 30.

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10. Write a SQL query to display name, department name of all employees who have an "A" in their name.

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