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INFORMATICS PRACTICES (065)
CLASS XI
TERM -2

TIME : 2 Hours

M.M. 35

- Q1.** What do you mean by Data Base? 1
- Q2.** Write a query to display names of employee whose name contains 'A' as third alphabet. (Table: Empl, Column: Name) 1
- Q3.** Define the following: 2
- i) Virtual Reality?
ii) WoT
- Q4.** What do you mean by Grid Computing ? 1
- Q5.** Five friends plan to try a start-up. However, they have a limited budget and limited computer infrastructure. How can they avail the benefits of cloud services to launch their start-up? 1
- Q6.** Write a query to display the name, job title, and salary of Employee who don't have manager. (Table: Empl , Columns: name, job_title, salary) 1
- Q7.** Write a query on the customer table whose output will exclude all customer with a rating <=100 unless they are located in Shimla. (Table: Customer, Columns: City, rating) 1
- Q8.** What do you mean by Blockchain Technology? 1
- Q9.** How is IAAS different from PAAS? 2
- Q10.** Create the table Employee based on the following table instance chart 2

Column Name	ID	First_Name	Last_Name	Dept_Id
Data Type	Integer	Varchar	Varchar	Integer
Length	8	25	25	8

- Q11.** What is meant by NULL values? Is zero or Blank Space a NULL value? 2
- Q12.** Write a query to delete the table Customer. 1
- Q13.** Write a query to display the structure of the table Employee 1
- Q14.** Differentiate between SELECT and Update command using examples 2
- Q15.** Table: Club 3

Coach_id	Coach_Name	Age	Sports	DateofApp	Pay	Sex
1	KUKREJA	35	KARATE	27/03/1996	1000	M
2	RAVINA	34	KARATE	20/01/1998	1200	F
3	KARAN	34	SQUASH	19/02/1998	2000	M
4	TARUN	33	BASKETBALL	01/01/1998	1500	M
5	ZUBIN	36	SWIMMING	24/02/1998	800	M

Write queries for the following :

- i) To show all information about the swimming coaches in the club

- ii) To list names of all coaches with their date of appointment(DATEofApp) in descending order
- iii) To display a report showing coachname, pay,age and bonus (15%of pay) for all the coaches.

Q16. Table: Student

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No	Name	Stipend	Stream	AvgMark	Grade	Class
1	Karan	400.00	Medical	78.5	B	12B
2	Divakar	450.00	Commerce	89.2	A	11C
3	Divya	300.00	Commerce	68.6	C	12C
4	Arun	350.00	Humanities	73.1	B	12C
5	Sabina	500.00	Nonmedical	90.6	A	11A
6	John	400.00	Medical	75.4	B	12B
7	Robert	250.00	Humanities	64.4	C	11A
8	Rubina	450.00	Medical	75.4	B	12B

- i) Select all the non medical stream students from table STUDENT
- ii) List the names of those students who are in class 12 sorted by stipend
- iii) List all students sorted by AvgMark in descending order
- iv) Display a report, listing name, stipend, stream and amount of stipend received in a year assuming that the stipend is paid every month.

Q17. Write a query to display the employee name, salary of those employee who have salary in the range of 2500 to 400 (Table: Empl, Columns: empl_name,salary) 1

Q18. Write a query to increase salary of employee records by 10% 1

Q19. An organization wants to create a tables EMPLOYEE,DEPENDENT to maintain following details about its employees and their dependent. 4

EMPLOYEE (AadharNumber, Name, Address, Department, EmployeeID)

DEPENDENT (EmployeeId, DependentName, Relationship)

- i) What is the degree of Employee table?
- ii) What is the degree of Dependent Table?
- iii) What is the cardinality of Employee Table?
- iv) What is the cardinality of Dependent Table?

Q20. Match the following:

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Column A	Column B
i) You got a remainder to take medicine	i) Home Automation
ii) You got a SMS alert that you forgot to lock the door	ii) Smart Health
iii) You turned off your LED TV from your wrist watch.	iii) Smart Wearable
