

Class-XI

Half Yearly Examination

Sub-Informatics Practices-065

Kaziranga English Academy

M.Marks-70

Time-3Hrs

1. Write down the short notes on the followings:

5x2

- (i) Bar code reader
- (ii) Computer virus
- (iii) LCD
- (iv) Blue tooth
- (v) DVD

2. Explain the following terms with example:

5x2

- (i) Primary Key
- (ii) Candidate Key
- (iii) Where Clause
- (iv) The Like Clause
- (v) Update Command

3. (i) Create the table-Customer as per following structure:

2

<u>Column Name</u>	<u>Data Type/Size</u>	<u>Constraints</u>
Cust_Id	integer	Primary Key
C_Date	date	
Cust_Name	char(20)	Not Null
Cust_Address	varchar(30)	
Amount	decimal(7,2)	check Amount>500
Cust_Phone	integer(10)	unique

(ii) Insert six(6) rows into above table.

2

Write the queries for the above table:

- (iii) To increase amount by adding another Rs.100 where amount is less than 1000. 1
- (iv) To modify the name of the customer of cust_id=5 to Raja. 1
- (v) To arrange the data of the above table in descending order of amount. 1
- (vi) To display customer details whose name contains 'A' as third alphabet. 1
- (vii) To display customer's name who don't have their amount inn the range of 1000.00 to 2000.00. 1
- (vii) To remove the entire contents of customers those who have no any address. 1

4. Consider the following table-EMP and write the outputs for the Q.No.(a) to Q.No.(j)

10x1

EMPNO	ENAME	JOB	MGRNO	HIREDATE	SALARY	COMM	DEPTNO
7369	Sunita	Clerk	7902	1990-12-17	12800	Null	20
7499	Ashok	Salesman	7698	1991-02-20	13600	1300	30
7521	Sumit	Salesman	7698	1991-02-22	15250	1500	30
7566	Jyoti	Manager	7839	1991-04-02	14975	Null	20
7654	Martin	Salesman	7698	1991-09-28	16250	2400	30
7698	Binod	Manager	7839	1991-05-01	15850	Null	30
7782	Chetan	Manager	7839	1991-04-19	12450	Null	10
7788	Sudhir	Analyst	7566	1997-04-19	15000	Null	20
7839	Kavita	President	Null	1991-11-17	19000	Null	10
7844	Tushar	Salesman	7698	1991-09-08	14500	0	30
7876	Anand	Clerk	7788	1997-05-23	16100	Null	20
7900	Jagdeep	Clerk	7698	1991-12-03	14900	Null	30
7902	Sumit	Analyst	7566	1991-12-03	13500	3600	20
7934	Manoj	Clerk	7782	1992-01-03	15300	Null	10

- SELECT COUNT(*) FROM EMP WHERE DEPTNO=20;
- SELECT SUM(COMM) FROM EMP WHERE DEPTNO=30;
- SELECT MOD(SALARY,10) FROM EMP WHERE DEPTNO=20;
- SELECT SUBSTR(ENAME,2,4) FROM WHERE DEPTNO=20;
- SELECT MIN(SAL) FROM EMP WHERE DEPTNO=10;
- SELECT AVG(COMM) FROM EMP WHERE COMM.<1500;
- SELECT COUNT(DISTINCT JOB) FROM EMP;
- SELECT SUM(SALARY+COMM) FROM EMP WHERE JOB='MANAGER';
- SELECT CONCAT(ENAME, JOB) FROM EMP WHERE JOB='ANALYST';
- SELECT MAX(SALARY) FROM EMP WHERE COMM. IS NULL;

5. Answer the following questions:

10×1

- What is constraint?
- Which command is used to list the structure of a table?
- What is the function of order by?
- Define function?
- Select char(77,121,83,81,76): What will be the output?
- Write command to display name of the weekday.
- Write command to display the system date.
- Write a command to display first three characters of 'Information'.
- A numeric data field price stored a value 40409.97. Write command in SQL to round off the price up to 1 decimal place.
- Write the command to extract last five letters from string=' Student's behavior should be good'.

6. Write the output of the followings:

10×1

- Select length(upper('We are here to study'));
- Select substr(trim('Informatics Practices'),12,12);
- Select concat(concat('Infrom', 'atics'), 'Practices');
- Select round(29.84,1),round(29.84,-1);
- Select right(lower('select MySQL'),5);
- Select InStr('Display the position', 'he');
- Select sign(-15 + 15);

- (h) Select truncate(75.796,-2);
- (i) Select Date(Curdate);
- (j) Select NOW();

7. Consider the table **Flight** given below, write command in SQL for (1) to (4) and output for (5) to (10)

Table : **FLIGHT**

Flight_No	Origin	Destination	Seats	FlightDate	Rate
1005	Varanasi	Nepal	275	12-Dec-07	3000
2785	Delhi	Kerala	290	17-Jan-08	5500
6587	Mumbai	Varanasi	435	19-Feb-08	5000
1265	Varanasi	Nepal	200	02-Jan-08	5400
4457	Delhi	Lucknow	150	22-Feb-08	4500
6856	Varanasi	Mumbai	180	03-Mar-08	6000

- (i) To display Flight flying between Varanasi and Nepal. 1
- (ii) To display the different Origin of Flights. 1
- (iii) To display list of flights in descending order of Rate. 1
- (iv) To display flight details of the flight whose flightdate is after Jan 2008. 1
- (v) SELECT Flight_No, Destination FROM Flight WHERE Destination LIKE '_u%'; 1
- (vi) SELECT CONCAT(LOWER('Class'),UPPER('xii')); 1
- (vii) SELECT SUBSTRING('Common Wealth Games 2010',8,6); 1
- (viii) SELECT DAYOFMONTH('2010-10-17'); 1
- (ix) SELECT TRUNCATE(22.78,1); 1
- (x) SELECT INSTR('Varanasi','n'); 1