



INDIAN SCHOOL SOHAR
UNIT TEST (2018-19)
INFORMATICS PRACTICES

CLASS: XI

MAX. MARKS: 50

DATE: 22/05/2018

DURATION: 2 HRS

Instructions:

- a. All the questions are compulsory.*
b. Answer the questions after carefully reading the text.

1. Answer the following questions:

- a) What is DBMS? 1
- b) What is the purpose of a column alias? 1
- c) In a Shop table out of Billno ,Itemname and Quantity which column can be set as Primary Key and why? 1
- d) Name two TCL Commands. 1
- e) What is NULL? Name the function used to substitute NULL values in a query result. 2
- f) Define the terms: Alternate key and Foreign key. 2
- g) Write any four advantages of DBMS. 2
- h) A table "Pets" in a database has 3 columns and 10 records. What is the degree and cardinality of this table? 2
- i) Name the classification of SQL Statements. 2
- j) Which comparison operator is used for comparing
 i) ranges ii) list of values 2
- k) Explain SUBSTR function. 2
- l) Differentiate between SYSDATE() and NOW(). 2
- 2. Create table Club based on the structure given below:** 2

Club: Table structure

Column name	Data Type	Constraint
Coachid	Char(4)	Primary key
Coachname	Varchar(20)	
Age	Integer(2)	
Sports	Varchar(15)	
Dateofjoin	Date	
Pay	Integer(6)	
Sex	Char(1)	

- 3. Write SQL Commands for the following on the basis of information given below:**

Club:Table

Coachid	Coachname	Age	Sports	Dateofjoin	Pay	Sex
S1	Tarun	35	Swimming	27/03/2006	25000	M
S2	Archana	34	Tennis	01/02/2010	20000	F
S3	Zareen		Football	06/08/2003	30000	F
S4	Kush	36	Tennis	10/04/2015	30000	M
S5	Sammer		Football	23/11/2000	35000	M

- i) Insert a new row with values: S6, Cricket, 12/07/2017, M. 1
 - ii) Display the sports taken by the coaches whose name ends with "A" or "S". 1
 - iii) Show details of swimming and tennis coaches in ascending order of their payment. 1
 - iv) List the different types of sports available. 1
 - v) Add a not null constraint on sports. 1
 - vi) List the id, name and age of coaches whose payment is less than 30000 and are not specialized in karate. 1
 - vii) List the name, age and sports of coaches who payment is in range 25000 to 35000 in descending order of payment and ascending order of age. 1
 - viii) Change the column name Sex to Gender. 1
 - ix) Display the position of 'all' in sports of coaches whose age is known. 1
 - x) List the name of male coaches in uppercase and their sports in lowercase. 1
 - xi) Delete the details of all female coaches. 1
 - xii) List the sports of coaches whose name contains 5 characters in descending order of age. 1
 - xiii) Increase the payment of swimming coaches by 100 rupees. 1
 - xiv) Display the name, age, payment and incentive (10% of payment) of all coaches. 1
 - xv) Remove the column age from the table. 1
 - xvi) Write a query which displays the coach names in lowercase and length of their names. 1
 - xvii) Show the id, name and age all coaches (if age is not known display "not mentioned"). 1
 - xviii) Display the first 3 characters of sports joined with the coach name for all sports. 1
 - xix) Create a new table 'Coach' consisting of details of coaches joined after 2010. 1
 - xx) Display a Report as: <coachname>joined on<dateofjoin>is specialized in<sports> 1
- 4. Write the output of the following queries:**
- i) Select Round(7654.352,Sign(-54)),Truncate(7654.352,1); 1
 - ii) Select Mid ("Swimming", Length('coach')); 1
 - iii) Select Concat(Char(71,111),Char(100.5,'100.5')); 1
 - iv) Select Pow(Mod((9*5)/5,2),2); 1
 - v) Select Dayofmonth(Curdate()+5); 1
- 5. Remove the errors (if any) from the following queries and rewrite the corrected ones.**
- i) Select Date(now); 1
 - ii) Select Lowercase(Sports) from Club; 1
 - iii) Delete table Club; 1

****The End****