

INDIAN SCHOOL SOHAR
UNIT TEST (2014-15)
INFORMATICS PRACTICES (065)

Class: XI
Date: 27 May, 2014

Marks: 50
Time: 2 Hours

Instructions:

- (i) *All questions are compulsory.*
(ii) *Answer the questions after carefully reading the text.*

1. Answer the following questions:

- i) Define the terms: Candidate and Alternate keys. Give suitable examples. 2
- ii) Differentiate between DDL and DML commands. 2
- iii) What is RDBMS? List any two features of an RDBMS. 2
- iv) What is Column Alias? How is it useful? 2
- v) What is NULL? 2
- vi) Name a: 2
- a) Date function that returns a number
- b) String function that returns a number
- vii) Differentiate between DROP and DELETE commands. 2
- viii) Differentiate between SYSDATE() and NOW(). 2
- ix) What is the degree and cardinality of a relation having 5 rows and 6 columns? 1
- x) a) _____ performs some operation and returns a single value. 1
- b) *Select Instr("Sleep", "E");* will result in _____.

2. Create table ORDER on the basis of structure given below: 2

Field	Datatype	Constraint
O_Code	Char(4)	
Item	Varchar(20)	Not Null
Qty	Int(3)	
Amount	Int(3)	
O_Date	Date	

3. Write SQL commands for the following on the basis of information given below:

Table: ORDER

O_Code	Item	Type	Qty	Amount	O_Date
A001	Burger	Veg	3	60	2013-01-01
A002	Pizza	N.Veg	2	300	2013-10-10
A003	Burger	Veg	5	100	2014-05-09
A004	Burger	N.Veg	5	100	2014-02-12
A005	Hot-Dog	N.Veg	2		2014-03-08

- i) Insert a new row into the table: A006, Sandwich, 1, 2014-05-22 1
- ii) Add a primary key constraint on O_Code. 1
- iii) List the details of orders whose amount is not known. 1
- iv) List Code, Item and Amount of all Pizzas & Burgers. 1
- v) Display details of orders not placed this year. 1
- vi) List the position of 'g' in Item. 1
- vii) Display the Item, Amount and Discounted Amount(5% of price) of all orders. 1
- viii) List the orders for which quantity is less than 3 but price is more than 200. 1
- ix) Display different types of items available. 1
- x) Increase amount of order code 'A004' by 20. 1
- xi) Add a new column 'CashierCode' as varchar(10) into the table. 1
- xii) Change the size of Item column to 15. 1
- xiii) Show Type(in Upper Case) joined with Item(in Lower Case) of all orders. 1
- xiv) List the items having 'B' as 1st and 'r' as 3rd character. 1
- xv) Display a report as 'Payable amount for Order Code <O_Code> is <Amount>'. 1
- xvi) List details of all orders in increasing order of item and amount. 1
- xvii) Display details of orders sold before May 2014. 1
- xviii) Delete orders whose quantity is less than 2. 1
- xix) Display details of all non-veg items with amount not in the range 100-200. 1
- xx) Show O_Code, Item and Amount of all orders. If the amount is not known, display "Free". 1
- xxi) Change Item of O_Code 'A003' to Hot-dog and its amount to 125. 1
- xxii) Use CHAR() function to display 'BEST'. 1

4. Find the errors (if any) in the following SQL commands, rewrite the corrected code and write the output:

- i) Select Char(109, 99, 96.5); 1
- ii) Select ITEM from Order where amount between 100 && 150; 1
- iii) Select Round(985.699, -1) Round1, Round(985.699, -2) Round2; 1
- iv) Select Sign(-2)/5-5*Sqrt(25)%30 as Result; 1
- v) Select Concat(Substr("Removing",-8,5),Right("SUPER",2)) as MyString; 1
- vi) Select LCase("DAY", "Name") from dual; 1
- vii) Select Trim(Both "B" from "Item") from Order; 1
- viii) Select Curdate()+30 as New Date; 1

- o O o -