OUR OWN HIGH SCHOOL, AL WARQA'A, DUBAI
SUMMATIVE ASSESSMENT 1 – OCTOBER, 2010.
INFORMATICS PRACTICES

Name: _____ Section:_____

GRADE : XI   MAX. MARK :70

DATE : 28/10/10   TIME: 3 Hrs.

General Instructions:
1. This question paper has five pages.
2. All questions are compulsory.
3. Number your answers properly.
4. Reading time is fifteen minutes.

Section A
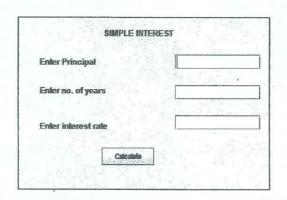
1   (a) Define pretty printing   1

     (b) Write characteristics of a good program.   3

     (c) Write the difference between syntax error and   2
          semantic error.

     (d) What is top down approach?   2

     (e) Write the difference between corrective maintenance   2
          and adaptive maintenance.

     (f) Define   3
          i) tuple   ii) cardinality of a relation
          iii) candidate key

     (g) Write the difference between the data types 'char'   2
          and 'varchar' (2 points each).

     (h) Which keyword retains duplicate output rows in a   1
          query result ?

     (i) Which command is used to delete a table ?   1

     (J) What is the role of unique constraint? How is PRIMARY   2
          KEY constraint different from UNIQUE constraint?

(k) Which command is used to make the changes to a table   1
permanent?

(l) Define JVM.   2

(m) Define a variable.   2

(n) Define and explain literals in Java.   4

(o) What is meant by implicit and explicit type   2
conversions ?

Section B

(a) Find the output.   2

```
int a =5, b=10;
if(a>5)
{
        if(b>5)
                System.out.println(" b is " +b);
}
 else
        System.out.println(" a is " +a);
```

(b) Find the output   3

```
int i , p=1;
for (i=1;  i<=5; i+=2)
     p=p*i;
System.out.println (p);
System.out.println( i );
```

(c) Write the following code using switch statement.   3

```
int option = 1;
        if (option == 1)
            System.out.println("selected first
option");
        else
          if (option  == 2)
              System.out.println("selected second
option");
        else
            System.out.println("Selected wrong
option");
```

(d) Correct the errors.   2

     System.out.println(pow(2,3));

(e) Write the java code to find the simple interest.   5

Control	Name of control	Description
Textfield	pTextfield	For entering principal
Textfield	nTextfield	For entering number of years
Textfield	rTextfield	For entering interest rate
Label	siLabel	For displaying the answer

Section C

1.   Based on the following table EMP write answer for
       the questions (a) - (l) .

TABLE - EMP

empno	ename	job	mgr	hiredate	sal	comm	deptno
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL	20
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00	30
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00	30
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL	20
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00	30
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL	30
8882	SHIAVNSH	MANAGER	8839	1991-06-09	2450.00	NULL	10
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL	20
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL	10
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00	30
8886	ANOOP	CLERK	8888	1993-01-12	1100.00	NULL	20
8900	JATIN	CLERK	8698	1991-12-03	950.00	NULL	30
8902	FAKIR	ANALYST	8566	1991-12-03	3000.00	NULL	20
8934	MITA	CLERK	8882	1992-01-23	1300.00	NULL	10

(a) Write a query to display employee name, salary and department number who are not getting commission. 2

(b) Write a query to display the details of employees who have four lettered names and their salary is between 1000 and 4000. 2

(d) Write a query to display Ename whose hiredate falls in December. 2

(e) Write a query to display empno, ename and annual salary in the descending order of their annual salary. 2

(f) Write a query to display the job names.(redundancy should be avoided) 1

(g) Write an SQL command to add a column 'Email' to the table Empl. 2

(h) Write an SQL command to change the commission of employees to 500 who are in dept 20. 2

(i) Write an SQL command to delete the records whose salary is between 600 and 1500. 2

(j) Write an SQL command to change attribute name 'sal' to salary. 2

(k) Write an SQL command to create a new table 'Employee' from already existing table 'Empl' with fields empno, ename . 2

(l) Write an SQL command to delete the column email from empl. 1

2.   **Find the output.**

   (a)   Select truncate(22.79,1);   1
   (b)   Select trim(trailing 'x' from 'xxxxbookxxxx');   1
   (c)   Select mod(11,5);   1
   (d)   Select concat(upper('our own'), RTRIM('   HIGH   1
         SCHOOL   '));
   (e)   Select instr('our own high school', 'own');   1

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