INTERNATIONAL INDIAN SCHOOL DAMMAM MODEL EXAMINATION JANUARY 2016

INFORMATICS PRACTICES

SET A

GRADE: XI

COMMERCE STREAM

TIME ALLOWED: 3 HOURS

Max.Marks:70

Instructions:

- I. All questions are compulsory.
- II. Answer the questions after carefully reading text.
- 1 (a) What is the difference between Address bus and Data bus?
 - (b) What do you meant by BIOS?
 - (2)
 - (c) Compare Compiler and Interpreter (2)
 - (d) Explain IDE? (1)
 - (e) What is firewall?
 - (f) Write down four major functions of operating system (2)
- 2 (a) Name an invisible component in JAVA IDE? (1)
 - (b) Explain (a) Syntax error (b)Logical error (with one example each) (2)
 - (c) Which window helps to change the attributes of a selected component? (1)
 - (d) Which method is used to change the display text of a component at runtime?. (1)
 - (e) What is the purpose of **default** in switch? (1)
 - (f) Rewrite using **for** loop. (2)

```
int x=10,y=20,add=0;
while(x<=y)
{
  add+=x;
  System.out.println(" "+x);
  x+=2;
}
System.out.println(add);</pre>
```

- (g) Write the java code that takes the cost price of an item in a textfield cpTF and profit percent in a textfield percTF, and calculates its selling price(using the formula specp+cp*profitpercent) and displays it in a textfield spTF.
- 3 (a) What will be the value of jTF2 after the execution of the following code. (1)

```
int Num=6;
Num=Num+1;
if (Num>5)
jTF2. setText(Integer.toString(Num));
else
jTF2. setText(Integer.toString(Num+5));
```

- (b) What will be the contents of jTextArea1?
 jTextArea1.setText("God\tBless\nYou");
 (1)
- (c) Write a suitable java statement to declare a string variable City and initialize it with value as "Mumbai". (1)

	(d)	Name java methods for the following: (a) To make a textfield TF1 invisible (b) To check whether a radio button oddRBTN selected or not	(2)
	(e)	What is the main difference between Combo Box and List Box?	(2)
	(f)	The following code has some errors. Rewrite the correct code underlining the corrections made. int sum=0; count=0; int i; for(i==0;i=<10;i++) { sum=+i; count++; }	(2)
4	(a)	What will be the value of f and i after the execution of following code?. int f=1, i=2; do { f*=i; }while(++i<5); TF2.setText(""+f);	(2)
	(b)	<pre>Write equivalent code for the following using switch if (choice=='e') east++; else if (choice=='w') west++; else if (choice=='s') south++; else if (choice=='n') north++; else JOptionPane.showMessageDialog(null,"Enter a code");</pre>	(2)
	(c)	Consider the following screen shot and answer the questions given below. Shopping Mall Discount — — — × . Shopping Mall Discount	
		Card Type O HDFC O VISA O SBI CALCULATE CLEAR ALL EXIT Discount Amount Net Amount	
		Net Albourt	

Variable Name	Control Type	Remarks
amtTF	JTextField	To enter Shopping
		amount
discTF	JTextField	To display discount
netTF	JTextField	To display net amount
hdfcRB	JRadiobutton	For HDFC account
visaRB	JRadiobutton	For VISA
sbiRB	JRadiobutton	For SBI
clearBtn	JButton	For Clearing the textfields
calcBtn	JButton	To calculate discount and
		net
exitBtn	JButton	To exit the application

(i) To calculate and display discount and netamount in the respective textfields on the click of calcBtn.

(5)

(1)

(2)

Discount Criteria

Card Type	Discount Rate
HDFC	12%
VISA	10%
SBI	8%

(ii) To exit from the application (1)

(d) How many times the following loop be executed? int P, Q=5;

for (P=8; P<=12; P++) {
Q+=P;

5

- (a) Ms Meera wants to remove the entire contents of a table **Class** along with its structure to release the storage space. Write MySql statement for that.
- (b) Help Divya to run the following query by removing errors
 UPDATE table Class per=per+2 where Grade='A';
- (c) Differentiate between Alternate key and Candidate key (2)
- (d) What is the output of following queries
 - (i) Select SUBSTR('HARD WORK', 6, 4);
 - (ii) Select LENGHT('ALL THE BEST');
- (e) While creating the table **FITNESS** last week,Ms Sharma forgot to include the column **AREACODE**. Now write a command to include the column with **VARCHAR** datatype and 30 size into **FITNESS** table
- (f) Answer the given queries based on the following table SALES

Name	Bonus	
Anil	83	
Vinil	98	
Karthik	65	
Sunil	42	

- (i) Select Name from SALES where Bonus IN(83,42); (2)
- (ii) Select * from SALES where Name not like '%ni%;
- (g) Name a (a) date function that returns a string (b) a string function that returns a (1) number

		CODE	<u> </u>	NAME	PRICE	MANUFACTURER		
			1	Treadmill	21000	Coscore		
			2	Bike	20000	Aone	_	
		3		Multi gym	14000	Reliable	_	
		4		Massage Chai		Regrosene	_	
			5	Belly vibrator belt	6500	Ambaway		
			6	Treadmill	22000	Panda	_	
						price more than 20000.	(6)	
(ii) To display all the productnames of the manufacturer Coscore concatenated with price.								
		(iii) To add a new row with details (7,"vibro excerciser",28000,"XYZ")						
					l Treadmill to 50	· · · · · · · · · · · · · · · · · · ·		
			_	•	n descending orde			
		(vi)	To show	the details of all	l products whose	name starts with M.	(2)	
		Write	the outp	ut of following	queries based or	n the table PRODUCT		
(vii) Select CODE, NAME from Product where price NOT BETWEEN 10000								
AND 25000;								
		(viii)	Select LE	EFT(Manufactur	rer,3) from Produ	ct where Name='Treadmill';		
	(b)		the output				(2)	
				ATE(1.58,1);				
7	(a)	Select YEAR('2016-01-17'); Create the table REGISTER with the following attributes					(2)	
/	•		Data Type	ag attributes	(2)			
		ENO Name			Integer			
	ENAME				VARCHAR(40)			
		AGE			Integer			
			Of Join		Date			
	(b)		T			table	(1)	
	 (b) Suggest a suitable primary key for REGISTER table (c) Write a query to change the datatype of the column ENO to VARCHAR of size 1 						(1)	
(d) Write a query to remove the row having ENAME as 'HENKEL'.							• /	
8 (a) What is E-Business?						da Hervice .	(1)	
ð	(a)	w nat 1	is E-Dusii	1688 ;			(1)	
	(b)	Define E-learning? Name any two websites of E-Learning?					(2)	
(c) Write short notes on E-Governance.							(2)	

6 (a) Answer the queries based on the table **PRODUCT**

PRODUCT

GOOD LUCK