



CBSE GUESS PAPER

HALFYEARLY EXAMINATION 2014

INFORMATICS PRACTICES XII

MM:70

TIME :3HRS

SECTION A:

1. Answer the following:

- a. What is the difference between Exit Controlled loop and Entry Controlled loop.1
- b. What happens to container control and its child controls if you delete the container control? 1
- c. "Is JAVA case sensitive"? What do you meant by "case sensitive"? 1
- d. Which of the following are valid identifiers? 1
 - i) int \$y; (ii) int 678 (iii) int _333 (iv) int 1A
- e. Which property would you set for setting the password character as '&'? 1
- f. Name any two jump statements; 1
- g. A class has six public methods including one constructor. How many methods can an object of a class call again and again? 1
- h. How compare() is different from equals(). 1
- i. For the following code, which statement is not true? 1

```
public class circle {

private double radius;

public double a;

private double b;

}
```

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- (i)a is available to code that is written outside the Circle class.
- (ii)radius is not available to code written outside the Circle class.
- (iii)Radius, a, b are called members of Circle class.
- (iv)b is available to code that is written outside the Circle class.

- j. Difference between implicit and explicit type conversion. 1
- k. Which tag is used in HTML to create ComboBox? 1
- l. Which tag in HTML is used to draw a bar? 1
- m. Write the use of XML. 1
- n. Define abstract class. 1
- o. How will you initialize object of Calendar Class. 1

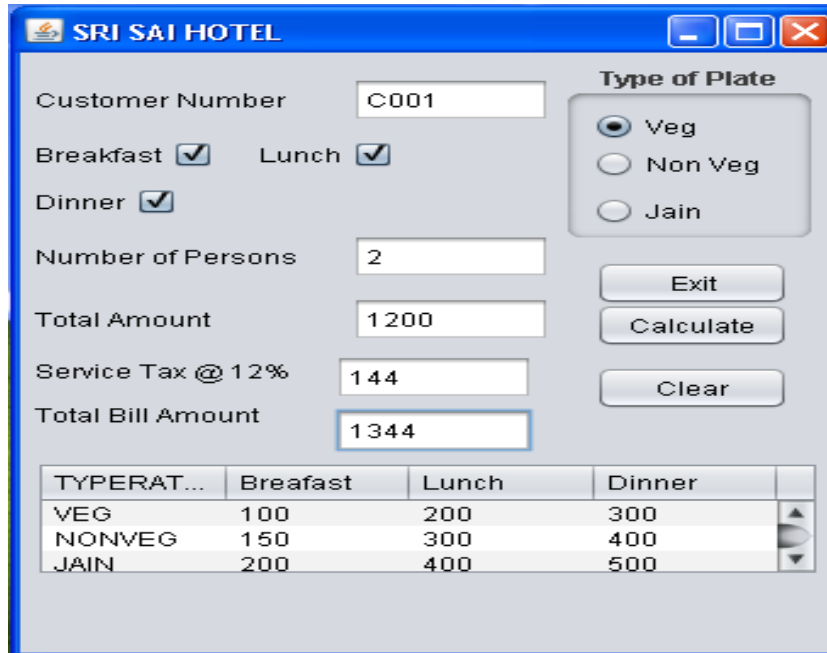
2. Answer the following:

- a. (Mr Ankit Patel a database developer created a table reservation in the database railways.Later on he is unable to remember the size of columns and any constraints defined in the Table . Suggest him the command which he should use to get the required information. 1
- b. In the above question Mr. Patel by mistake written Delhi in place of NewDelhi in the destination column of passenger code P005. Now he wants to perform the correction? 1
Which command he should write to change Delhi to New Delhi.
- c. Mr Kumar created two tables Admission and Library to store detail of students. When Mr Kumar is trying to delete a record of student from Admission table he is unable to perform the same. What may be possible reason? Both the tables contains a common column Reg_No. 1
- d. In a database Schools, staff is a table which is having Aff_No, Name, Principal and Mobile_no as column. When the following code are executed it produces 27 and 22 as query output for the following query. What is the possible reason for that: 1
 - (i) SELECT COUNT (*) FROM STAFF;
 - (ii) SELECT COUNT(PRINCIPAL) FROM STAFF;

- e. Mr Gupta a bank Manager wants to see the detail of customer from customer table of those customer whose name contains S as 3rd letter in the name. Help him to write the query. 1
- f. Write a command to DELETE all the records of a table FOODS? 1
- g. What is the difference between Candidate Key and Alternate Key. 1
- h. Which command is used to eliminate redundant data from query result set? 1
- i. Define joins. 1
- j. What is the use of group by clause. 1
- k. What is the difference between on and using clause in joins. 1
- l. Mrs. Daya has created a table "Family" in MySQL with 5 columns and 2 rows. What is the degree and cardinality of this table? After that she has inserted 5 rows more. Now what is the degree and cardinality of this table. 1
- m. Write the use of following functions: 3
 - i. Left()
 - ii) trim()
 - iii) instr()

SECTION B

3. Sri SAI Hotel computerized its Billing System. Given below the data entry screen through which bill amount is calculated.
- (i) Write the code for calculate button to calculate bill amount, service tax as per the rate specified in the table. Total bill amount=total amount + service tax. 3
 - (ii) Write code for clear button to clear all the controls. 1
 - (iii) To Close application by clicking on Exit Button. 1



TYPERAT...	Breakfast	Lunch	Dinner	
VEG	100	200	300	
NONVEG	150	300	400	
JAIN	200	400	500	

4. Write the output of:
- What will be content of textArea when following code will be executed? 1

```
String str1="Ruksana";
String str2="Ruchi";
jTextArea1.Append(str2.length()+str2.concat(str1).length());
```
 - What will be value of x and y when following code will be executed? 1

```
int x = 5;

int y = 20;
while(x<=y)
{
    x+=y--;
    y+=2;
}

System.out.println("Values are "+x+" "+y);
```
5. Rewrite the following code using if...else statement?
- int c = JComboBox1.getSelectedIndex(); 1

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```

switch(c)
{
    case 0 : BillAmt = BillAmt*.05; break;
    case 1 : BillAmt = BillAmt * .09; break;
    case 2 : BillAmt = BillAmt *.11; break;
    case 3 : BillAmt = BillAmt *.13; break;
    default : BillAmt = BillAmt-0 ; break;
}

```

b. Rewrite following while loop into a for loop: 1

```

int stripes = 0;
while ( stripes <= 13 ) {
    if ( stripes % 2 == 2 ) {
        System.out.println("Color code Red"); }
    else {
        System.out.println("Color code Blue");
    }
    System.out.println("New stripe");
    stripes = stripes + 1; }

```

6. What is the output produced by following code fragment? 1

```

float x = 9;
float y = 5;
int z = (int) (x/y);
switch(z)
{ case 1: x = x + 2;
  case 2: x = x + 3;
  default: x = x + 1; }
System.out.println( "Value of x: " + x );

```

7. The following code has some error(s). Rewrite the correct code underlining all the corrections made:

```

int pp=1,tt=34;zz=90; 1
pp = pp + 1;
do
{ tt--;

```

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```

zz =%10;
pp++;
}while(zz>0)
jTextField1.showText(" "+zz);

```

8. Write a method display() which takes 3 digit integer as a parameter and returns its middle digit. 4

SECTION C

9. Consider the table Movie given below. Write commands in MySQL for (9.a) to (9.d) and output for (9.e) to (9.h) 6

SNo	Title	Type	Stars	Qty	Price
1	Hum	Drama	Amitabh	3	90
2	Partner	Comedy	Govinda	5	80
3	Darwaja	Horror		2	60
4	Dhamal	Comedy	Sanjay D	4	85
5	Veerana	Horror	Hemant	1	50
6	Dil	Drama	Amir Khan	3	75

- a. To display a list of all movies with price more than 70 and sorted by price in descending order.
- b. List the title, type and stars of comedy movies
- c. List Movie No, Movie Name and value of all movies.
- d. Display all the information of movies whose Title's second last letter is alphabet 'a'.
- e. Select Max(Price) from movie;
- f. Select Title, Type from movie where Stars is NULL;
- g. Select S.No, Title from movie where stars = 'Govinda';
- h. Select distinct type from movie.

10. Write a SQL command to create a table "LIBRARY" with the following structure: 2

Field	Type	Constraints
Book_no	Integer (4)	Primary Key
Title	Varchar(40)	Not Null
Author	Varchar(30)	
Publisher	Varchar(30)	
Pages		Integer (4)
Date_of_Pub	Date	

11. In a database, there two tables 'Employee' and 'Dept' as shown below: 2

DEPT

DEPT_CODE	DEPT_NAME
MKTG	Marketing
PERS	Personal
ACCT	Accounts

EMPLOYEE

EMP_NO	EMP_NAME	SEX	DEPT_CODE
1	Nidhi	F	ACCT
2	Rajesh	M	MKTG
3	Pankaj	M	PERS
4	Puneet	M	ACCT
5	Amita	F	MKTG

- Identify the foreign key column in the table Employee.
- How many rows and columns will be there in the Cartesian Product of these two tables?

12. Database abc contains following tables:

Table : SUPPLIER

Sno	PName	SName	Qty	Price	City
S1	Bread	Britannia	150	8.00	Delhi
S2	Cake	Britannia	250	20.00	Mumbai
S3	Coffee	Nescafe	170	45.00	Mumbai
S4	Chocolate	Amul	380	10.00	Delhi
S5	Sauce	Kissan	470	36.00	jaipur

Table :PRODUCT

Pno	PName	PCity
P1	Bread	Delhi
P2	Cake	Delhi
P3	Coffee	Kolkata
P4	Sauce	Jaipur



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- a. Query to display pname and price corresponding to pcity whose price is between 40 to 50.

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