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Code or book.	used with JCheckBox in Java	a? .orAth	a 1
		ed methods of JComboBox control.	1
(0		d in tag of HTML.	1
e) t on the	e) How many times the follow	wing loops will execute the statements inside it ? Control and which one is Exit Control ?	,
	Loop 1	and and a state of the state of the state	
		up int j=8,total=0;	
	while (j>1) one of the state of		
	total+=j;	total+=j;	1
	j-=2;3OITOA	INFORMATICS PR	
arks : 7	f Maximum m	me allowed 3 hours 1	
	a second s	while (j>l);	
(f) What will be displayed in iT	The state of the s	a E
(f)	1 5 5	while (j>1); TextField1 and jTextField2 after the execution of the	2
	following loop ? nithogy elling	extFieldl and jTextField2 after the execution of the	2
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- (d) Table BANK has 2 rows and 3 columns. Table CUSTOMER has 4 rows and 3 columns. What will be the cardinality and degree of the Cartesian product of them ?
- (e) There is a column HOBBY in a Table CONTACTS. The following two statements are giving different outputs. What may be the possible reason?

SELECT COUNT (*) FROM CONTACTS;

SELECT COUNT (HOBBY) FROM CONTACTS;

(f) Name the methods used to convert one type of data to another in the following statements of Java.

int Num=Integer.parseInt(jTextFieldl.getText());

jTextField2.setText(Integer.toString(Num));

(g) Mr. Tondon is using table EMP with the following columns.

ECODE, DEPT, ENAME, SALARY

He wants to display all information of employees (from EMP table) in ascending order of ENAME and within it in ascending order of DEPT. He wrote the following command, which did not show the desired output.

SELECT * FROM EMP ORDER BY NAME DESC, DEPT;

Rewrite the above query to get the desired output.

4.

(a) What will be the content of jTextArea1 and TextField1 after the execution of the following statements ?

(i) jTextAreal. setText ("Go\tGreen\nINDIA") ;

(ii) String Message="All The Best";

jTextFieldl.setText((Message.length()-6)+" ");

(b) Rewrite the following programme code using a while loop statement :

int Last=Integer.parseInt(jTextFieldl.getText());

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for (int C=1;C<=Last;C++)</pre>

jTextAreal.setText(Integer.toString(C));

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executed ?

Textil=Text2, concat(Text1)

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(c) Observe the following code carefully and find which statement will never get
         columns. What will be the cardinality and degree of .bbo and ni batuaxet of
                                                                                                        1
                                                                          //Statement 1
             int Count=1;
         There is a column HOBBY in a Table CONTACTS. The following two
            do no sen sidizog an ad ven tad V . sugguo maranto //Statement 2
             {
                                                //Statement 3
                 if (Count<15)
                                           270ATMOO MORT (YEEO//Statement 4
        jTextFieldl.setText("Jump"); //Statement 5
                 else
                                                                          //Statement 6
                    int Num=Integer.parseInt(jTextField1.getText())
                      jTextFieldl.setText("Stop");
                                                                          //Statement 7
                 Count+=4;
                                8 Statement 8// Internet 8// Statement 8// Statement 8// Statement 1// Statement 1// Statement 1// Statement 1// Statement 1// Statement 8// Statement 8/
             }
                                                                          //Statement 9
            while(t<=15); //Statement 10
            Write Java statement to make jButton1 disabled.
      (d)
                                                                                                        1
                                 following command, which did not show the desired output
            What will be displayed in jTextFieldl after the execution of the following code ?
      (e)
             int Sum, One=3, Two=5;
                                               Rewrite the above query to get the desired out
            Sum = One + Two++;
            jTextFieldl.setText(Integer.toString(Sum));
            jTextField2.setText(Integer.toString(Two));
      (f)
            What will be the contents of Text1 and Text2 after the following code is
            executed ?
                                                                                                        2
            String Text2, Text1; Descard)) jxeTjes. [blei] jxeT
            Textl= "Good Morning";
            int Last=Integer.parseInt(jTextField1.getText());
rest2=Text2
            Text1=Text2.concat(Text1);
                                (Costing (C)); (Integer. LoString (C));
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(g) Shekher is a junior programmer at ducom Enterprises. He created the following GUI in Netbeans.

ne Tax
ary

Help him to write code for the following :

 (i) To calculate Income Tax to be paid and display in jTextField4 on the click of Command Button "Calculate Income Tax" as per the following condition :

If the Basic is less than 50000 then IncomeTax =Basic*0.2

And if is greater or equal to 50000 then IncomeTax=Basic*0.3

 (ii) To calculate Salary and display in jTextField5 on the click of Command Button "Calculate_Salary".

Hint:

Salary =

(Basic+ DearnessAllowance+HouseRentAllowance)-IncomeTax.

(iii) To Clear all Text Fields on the click of Command Button "Clear".

5.

(a) What is the use of UPDATE statement in SQL ? How is it different from ALTER statement ?

(b) Mr. Shankar created a table VEHICLE with 3 rows and 4 columns. He added 1 more rows to it and deleted one column. What is the Cardinality and Degree of the Table VEHICLE ?

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(c) Consider the following table named "GYM" with details about fitness items being sold in the store. Write command of SQL for (i) to (iv) and output for (v) to (vii).

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ICODE	INAME	PRICE	BRANDNAME
G101	Power Fit Exerciser	20000	Power Gymea
G102	Aquafit Hand Grip	1800	Reliable
G103	Cycle Bike	14000	Ecobike
G104	Protoner Extreme Gym	30000	Coscore
G105	Message Belt	5000	MessagExpert
G106	Cross Trainer	13000	GTCFitness

(i) To display the names of all the items whose name starts with "A".

- (ii) To display ICODEs and INAMEs of all items, whose Brandname is Reliable or Coscore.
- (iii) To change the Brandname to "Fit Trend India" of the item, whose ICODE as "G101".
- (iv) Add a new row for a new item in GYM with the details: "G107", "Vibro exerciser",21000,"GTCFitness"
- And it is greater or equal to 30000 then incomeTax=Basic*0.3
- (v) SELECT COUNT (DISTINCT (BRANDNAME)) FROM GYM;
- (vi) SELECT MAX (PRICE) FROM GYM; ded _ televile C notice

(vii) SELECT INAME FROM GYM WHERE INAME LIKE "%t";

6. (a) Write SQL command to create the table Vehicle with given constraint.

COLUMN_NAME	DATATYPE(SIZE)	CONSTRAINT
Challan_No	Decimal(10)	Primary Key
Ch_date	Date	ni Y
RegNo	Char(10)	inkar created a table
Offence	Decimal(3)	le VEHICLE ?

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(iii) To Clear all Text Fields on the click of Command INALLAN

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(b) In a Database Karnataka_Sangam there are two tables with the instances given below :

Table : S	STUDENTS
-----------	----------

ADMNO	NAME	CLASS	SEC	RN	ADDRESS	PHONE
1211	Meena	12	of D iro	4	A-26	2345678
1212	Vani	10	D	1	B-25	5456789
1213	Meena	12	Α	1	Function	5.No
1214	Karish	10 10	B	3	AB-234	4567890
1215	Suraj	on the		2	ZW12	4345677

Table : SPORTS

ADMNO	GAME	COACHNAME	GRADE
1215	Cricket	Mr.Rai	A
1213	Vollyball	Ms. Chadha	В
1211	Vollyball	Mr. Govardhan	A
1212	Basket Ball	Mr. Tiwani	В

Write SQL queries for the following :

- (i) To count how many addresses are not having NULL values in the address column of students table.
- (ii) To display Name, Class from STUDENT table and the corresponding Grade from SPORTS table.
- (iii) To display Name of the student and their corresponding Coachnames from STUDENTS and SPORTS tables.
- (c) Answer the questions (i) and (ii) based on the following table :

FNO	FNAME	AGE	DEPARTMENT	GRADE
111	Moksha	40	Biology	A
123	Malini	35	Maths	A
125	Akshit	43	English	В
130	Nishant	27	Maths	В

Table : FACULTY

(i) Identify the Primary Key in the Table Faculty.

(ii) Write SQL Command to change the Grade of Nishant to "A".

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 (a) How popularity of e-Commerce has benefitted a common man ? Give the domain name of one popular e-Commerce site.

(b) Give two addresses of most commonly used e-Learning sites.

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(c) Shobhit is creating a form for his company. Help her to choose most appropriate controls from ListBox, ComboBox, TextField, TextArea, RadioButton, CheckBox, Label and Command Button for the following entries.

S.No	Function	ELCI
estas	To select citizenship from a list of countries	[2]]4
2	To allow to input grade out of 'A' to 'D'	1215
3	To allow selecting one or many food items	bble : SPC
4	To allow entering Feedback in the form of a para	agraph

Vollybali	Ms. Chadha	В
	Mr. Govardhan	A
Basket Ball	Mr. Tiwani	

- Write SQL queries for the following :
- 0 To count how many addresses are not having NULL values in the address column of students table.
- To display Name, Class from STUDENT table and the correspondin Grade from SPORTS table.
- (iii) To display Name of the student and their corresponding Coachnames from STUDENTS and SPORTS tables.
 - Answer the questions (i) and (ii) based on the following table :

GRADE	DEPARTMENT	AGE	FNAME	
A	Biology		Moksha	[1]
A	Maths		Malini	
B	English	43		
в	Maths	27		

Table : FACULTY

J Identify the Primary Key in the Table Faculty.

ii) Write SQL Command to change the Grade of Nishant to "A".

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