



- (h) What is an use of <tr>, <p> tags in HTML 1
- 3 (i) Mr Rao created two tables TOYS and SALES. He declared primary key on the column TOYID but forget to declare TOYID as foreign key which refers to TOYID of sales table? Write the statement he should write to declare foreign key on TOYID of SALES table. 1
- (ii) Which command is used in MySql for the following: 2
- (a) To make any changes permanent in table,
- (b) To discard any changes made in table.
- (iii) A table School contains 5 columns and 10 rows, another table club contains 3 columns and 6 rows. What will be degree and cardinality of cross join of them? 1
- (iv) Given below is the table Flight: 1

Flight_Number	Pilot_Number	Flight_Name	Pilot_Name
F001	P003	INDIGO	Mr Shah
F005	P009	AIR INDIA	Mr Gupta
NULL	P333	GO AIR	Mr Shah

Identify the column suitable for primary key and unique key.

- (v) Write suitable command for the following? 2
- (a) To make any database current Database,
- (b) To display the list of databases,
- (c) To see the definition of a table,
- (d) To delete the table permanently.
- (vi) Write query in MySql to count the number different directors. 1  
Column name is DID. Table name is Directors.
- (vii) How order by clause is different from group by clause? 1
- (viii) Which command is used to change the values in a table? 1

- 4 (a) What is polymorphism? 1
- (b) How a class is different from an Interface? 1
- (c) Rewrite the code given below using for loop? 1

```
int i=3;
while(i<=6)
{
    System.out.println("I is "+i);
}
```

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Other Educational Portals

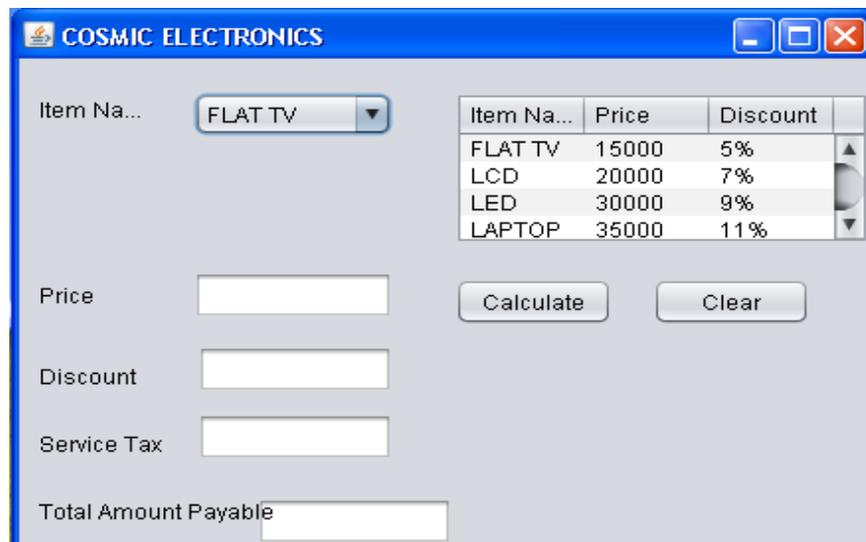
```
i+=2;
```

```
}
```

- (d) What is the difference between length() and capacity() method? 1
- (e) Which method is used to disable any radio button and a text field? 1
- (g) What will be displayed in textarea when the following code will execute if x=3? 2

```
int x=3;
switch(x)
{
    case 1: textarea.append("DAV"); break;
    case 2: textarea.append("PCS");
    case 3: textarea.append("KVS");
    case 4: textarea.append("DPS");
    case 5: textarea.append("RPS"); break;
    default : textarea.append("Unknown"); break;
}
```

- (h) Rashmika a programmer at Cosmic Electronics. To calculate Bill amount she has developed the following GUI in Net beans.



a. Write code so that when calculate button is clicked Price will be displayed in the textfield specified , discount as per percentage specified in the table and service tax @12% will be calculated will be displayed in their respective textfield and total price which is equal to Price+Service tax-discount will be calculated and displayed in the textfield automatically.

3

b. Write the code for clear button to clear all the controls.

1

- (i) What will be displayed in textField1 and textField2 when following code will be executed? 2

```
String str1="India";
String str2="New Delhi";
textField1.setText(""+str2.concat(str1));
textField2.setText(""+textField1.getText().length()+1);
```

- (j) Fill in the blanks: 2

```
Class.forName("java.sql.DriverManager");
_____ con=DriverManager.getConnection("jdbc:mysql://_____/database","user"," ");
Statement stmt=con._____;
stmt._____("SELECT * FROM ITEMS");
```

- 5 (a) Consider the following table “Test” with details about test conducted in the college. 1 X 8

Write command in SQL for (i) to (v) and output for (vi) to (viii).

Table Test;

Test_Code	Test_Name	Fees	Type	Test_date	No_of_candidate
T001	Admission	6700	MCQ	2013-05-09	23
T002	FA-1	2200	Pen-Paper	2013-09-08	43
T003	SA-1	1500	Pen-Paper	2013-09-05	44
T004	Admission	NULL	MCQ	2013-04-06	65
T005	SA-1	4300	Pen-Paper	2013-08-09	35
T006	SA-2	4900	MCQ	2013-03-11	66
T007	FA-1	5500	Pen-paper	2013-07-04	78

- (i) Display the sum of No\_of\_Candidate according to type.  
 (ii) Display the detail whose test\_Name contains ‘A’ as second character.  
 (iii) Display the detail of test which is conducted first.  
 (iv) Change the fees of all test by 10% whose type is Pen-Paper.  
 (v) Add another column Venue of data type varchar 30 with default value “Delhi”.  
 (vi) SELECT Test\_code, Fees, Type from Test  
 Where type in(“MCQ”,”Pen-Paper”) and fees > 5000;  
 (vii) Select \* from Test where Test\_Name not like “%1”;  
 (viii) Select count(distinct Test\_Name) from Test;  
 (c) Populate the above table Test with followin record:

1

“T099”, ”Admission”, 7000, ”Verbal”, null, 89

(d) Write command in SQL to change the column heading type to Test\_type. 1

6 (a) Consider the tables “Mobiles” and “Users” given below:

**Mobiles**

SetCode	SetName	TouchScreen	PhoneCost
S3	SAMSUNG S3	N	7500
S10	SAMSUNG G10	Y	6500
N4	Nokia Asha	Y	8000
B7	Black Berry	N	4000

**Users**

UserNo	SetCode	Address
U001	S3	Rajkot
U002	B7	Ahmadabad
U003	S10	Surat
U003	N7	Jamnagar

With Reference to these tables, Write commands in SQL for (i) to (iii)

- (i) Display the UserNo, Address and corresponding SetName for each User. 2
- (ii) Display the User detail for each user who uses Samsung mobile with Phonecost Greater than 6500. 2
- (iii) Display the Cartesian product of Mobiles and Users. 2
- (iv) What will be total number of columns in output of their Equi Join. 1

(b) Write SQL command to create the table Flight with given constraint. 2

Table : **FLIGHT**

Column Name	Data Type & Size	Constraint
Flight_Number	Char(20)	Primary Key
Flight_Name	Varchar (20)	
Source	Varchar(20)	
Destination	Varchar(20)	
Fare	Float(9,2)	
Departure_Date	Date	

- (c) What will be an output of following SQL command: 1
- (i) `Select round(7654.567,2);`
- (ii) `Select truncate(7654.567,2);`
- 7 (a) How has e-Governance benefitted the common man? 2
- (b) How is e-learning proved useful for a trainer? 1
- (c) Miss Radhika works for the Customs Department. She wishes to create controls on a Form. For the following functions. Choose appropriate controls from text Field, Label, Option Button, Check Box, List Box, Combo Box, Button and write it in third column. 2

S.No	Control Used To	Control
1	Enter Title	
2	Enter Gender	
3	Select Country from a list of Country	
4	Reset the form	

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