

# **SAMPLE PAPER-(065) 2014)**

Subjec Class		Informatics Practices  12 <sup>th</sup> Commerce  Roll No  Time- Max <sup>m</sup> Mark	3hr xs-70
1	(a)	Which protocol is used to send and receive emails? How FTP is different from IP?	2
	(b)	Which transmission medium is used to transfer data across:	
		(i) Two mobiles. Distance between them is 2 mtr.	1/2
		(ii) Two computer kept at a distance of 2500 KM.	1/2
	(c)	What is the difference between:	2
		(i) FREE SOFTWARE and FREEWARE SOTFARE.	
		(ii) Open Source and Proprietary software.	
	(d)	What is the significance of UNICODE?	1
	(e)	Name any two Indian languages included in UNICODE?	1
	(f)	What do you mean by DOS attack and Firewall?	2
	(g)	Name the device used to:	1
		(i) Amplify the strength of signal over long distance.	
		(ii) Connect two dissimilar networks.	
2	(a)	Name the method used to extract value from a Password Field?	1
	(b)	What is the purpose of default clause in switch case statement?	1
	(c)	Which attribute is used to set the direction of the text in a web page?	1
	(d)	Expand the following:	1
		(i) CSS (ii) XML	
	(e)	Write code for the button in java to accept Sales Price in a text field and calculate	2
		discount which is 15% of Sales Price, Service tax which is 12% of Sales price.	
		Display Total_price_payable which is equal to Sales_Price + Service_tax - discount.	
	(f)	What will be displayed in jTextField1 and jTextField2 after execution of the following code?	2
		int $x = 1$ , $y$ ;	
		for(y=1; y < = 5; ++y)	
		x=x*y;	
		jTextField1.setText(""+x);	
		jTextField1.setText(""+y);	
	(g)	What is the purpose of TYPE and START attribute of <ol> tag?  www.cbsequess.com</ol>	1



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	(h)	What	t is an use of ,	tags in HTML			1	
3	(i)	Mr R	ao created two tal	oles TOYS and SAI	LES. He declare	ed primary key on the	1	
		column TOYID but forget to declare TOYID as foreign key which refers to TOYID of sa table?Write the statement he should write to declare foreign key on TOYID of SALES						
		table				•		
	(ii)	Whic	ch command is use	ed in MySql for the	following:		2	
		(a)	To make any cl	nanges permanent in	n table,			
		(b)	To discard any	changes made in ta	ble.			
	(iii)	A table School contains 5 columns and 10 rows, another table club contains 3 columns						
		And	6 rows. What will	be degree and card	inality of cross	join of them?		
	(iv)	Give	en below is the tab	le Flight:			1	
			Flight_Numb	er Pilot_Number	Flight_Name	Piolot_Name		
			F001	P003	INDIGO	Mr Shah		
			F005	P009	AIR INDIA	Mr Gupta		
			NULL	P333	GO AIR	Mr Shah		
		Ident	ify the column sui	table for primary k	ey and unique k	tey.		
	(v)	Write	e suitable comman	d for the following	g?		2	
		(a)	To make any da	atabase current Data	abase,			
		(b)	To display the l	ist of databases,				
		(c)	To see the defir	nition of a table,				
		(d)	To delete the ta	ble permanently.				
	(vi)	Write query in MySql to count the number different directors.						
		Column name is DID. Table name is Directors.						
	(vii)	How	order by clause is	different from grou	up by clause?		1	
	(viii)	Whic	th command is use	ed to change the val	ues in a table?		1	
4	(a)	What	t is polymorphism	?			1	
	(b)	How a class is different from an Interface?						
	(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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```
i+=2;
              }
(d)
       What is the difference between length() and capacity() method?
                                                                                               1
       Which method is used to disable any radio button and a text field?
(e)
                                                                                               1
       What will be displayed in textarea when the following code will execute if x=3?
                                                                                               2
(g)
              int x=3;
              switch(x)
              {
                             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;
                     case
                     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.
- b. Write the code for clear button to clear all the controls.

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5

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(i)	What will be displayed in textField1 and textField2 when following code will be			
	executed?	2		
	String str1="India";			
	String str2="New Delhi";			
	<pre>textField1.setText(""+str2.concat(str1));</pre>			
	<pre>textField2.setText(""+textField1.getText().length()+1);</pre>			
(j)	Fill in the blanks:	2		
	Class.forName("java.sql.DriverManager");			
	con=DriverManager.getConnection("jdbc:mysql:///database	e","user"," ");		
	Statement stmt=con;			
	stmt("SELECT * FROM ITEMS';");			
(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 TestWhere 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:

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1

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"T099","Admission",7000, "Verbal", null, 89

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

1

2

2

1

#### (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.
- (ii) Display the User detail for each user who uses Samsung mobile with Phonecost Greater than 6500.
- (iii) Display the Cartesian product of Mobiles and Users.
- (iv) What will be total number of columns in output of their Equi Join.
- (b) Write SQL command to create the table Flight with given constraint.

#### Table: FLIGHT

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

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(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

2

(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.

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

#### **Paper Submitted By:**

Name Sanjay Kumar

Email sanjunt@gmail.com

Phone No. 9714228839