

CLASS XII SAMPLE PAPER-065 INFORMATICS PRACTICES

General Instructions:	
(i)All the questions are compulsory.	
(ii)Programming language : Java.	
(c) What is the use of router in a Network?(d) Differentiate between HR and BR tags.(e) Define "Domain Name Resolution".(f) Name Two Threats to security in a Nework. What is the role of Firewall in Network Security?	a [1] [1] [1] [2] [2] [2]
Q-2(a) Write the value of Variable "c" after execution of the following code: int d; int c; D =7;	
C = (5*++d)%3;	[1]
(b) What is the difference between jTextField and jPasswordField components ?	[1]
	[1]
(d) After typing the HTML Code using a Text Editor, how do you see how it would look as a Web Page?[1]
(e) Write Java Code to assign the value 500 to variable X.Increase the value of x by 50 and store it in	
Variable Y.	[2]
(f) Write the output that will be generated by the code given below:	
int i;	
I = 7;	
Int r; R=8;	
while (I<=10)	
wille (1≥−10) {	
System.out.println(r*1);	
I = i+2;	
}	[2]
(g) "With XML there are no Predefined Tags" – Explain in brief with the help of an Example.	[2]

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Q-3(a) Name any societal effects of e-Commerce.	[1]
(b) Is Null value the same as 0 ? Write the reason for your Answer.	[1]
(c) Write the Update Command to increase the Commission (Column name : COMM) by 500Write	
the Update Command to increase the Commission (Column name : COMM) by 500 of all the	
salesman who have achieved Sales (Column Name :Sales) more than 2,00,000.The Table's name	
is COMPANY.	[1]
(d) While using SQL pattern matching. What is the difference between "_" and "%"	
wildcard Symbols ?	[1]
(e) How is Primary key constraint different from Unique Key Constraint ?	[2]
(f) Write one similarity and one difference between CHAR and Varchar Data Types.	[2]
(g) What is a Transaction ?Which Command is used to make changes done by a Transaction	
permanent on a Database ?	[2]
Q-4 (a) The Following code has some errors. Rewrite the correct code underlining all the corrections	
made.	[2]
int marks, temperature;	
marks = jTextField1.getText());	
temperature = Integer.parseInt(jTextField2.getText());	
if (marks < 80) and (temperature >=40)	
{	
System.out.println("Not Good");	
}	
else;	
{	
System.out.println("OK");	
}	
(b) How many times will be the following WHILE Loop execute?	
int y =7, sum = 0;	
while (y<= 15)	
{	
Sum = sum +y;	
Y = y+2;	
}	[2]
(c) Rewrite the following program code using IF ELSE IF instead of SWITCH Statement :	
String tour;	
<pre>int cl = Integer.parseInt(jTextFiled1.getText());</pre>	
Switch (cl)	
{	
case 8: tour = "\n You are going to camp Ramgarh";	
Break;	
case 9 : tour = "\n You are going to Manali, Rohtang	
Pass"; break;	
case 10 :tour = "\n You are going to Chail";	
Break ;	



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default : tour = "No School tour for you this time";	
}	[2]
(d)Write the values of sum and x after execution of the following code:	
int sum,x;	
Sum =7;	
x=5;	1 -1
sum = sum +(x++);	[2]
(e) What will be the contents of jTextField1 and jTextField2 after execution of the following code:	
String s = "Best"; jTextField1.setText(s.length()+" ");	
jTextField2.setText(s.toUpperCase());	[2]
(f) The Students of "Shiksha Vidalaya" work for different extra curricular activities like 'Community	[2]
Outreach Programme', Swachh Bharat Abhiyan' and 'Traffic Safety Club'. The Programmer at	
the school has developed a GUI application as shown below :	
Children Widesland	• A
Shiksha Vidyalaya	student
	can
Enter Roll Number	particip
Enter Name	ate in
□ Community Outreach Programme	more
□ Swachh Bharat Abhiyan	than
	one activitie
□ Traffic Safety Club	S.
Colorlas Taral Const.	• Each
Calculate Total Score Stop Clear	student
	gets 10
Total Score	points
Total Score	for each
	activity
was als "Community Ontrody Branch Branch "	_
namely "Community Outreach Programe", "Swachh Bharat Abhiyan" and	
"Traffic Safety Club".	
The screen design is given below:	
Help the programmer to write the code for the following:	
(i) When "Calculate Total Score" button is clicked ,the points for each activity (that is selected)	
Should be displayed in the text field in front of that activity's checkbox and the Total Score should	
Be displayed in the appropriate Text field.	
(ii) When clear button is clicked, all the Text fields and Check Boxes should be cleared.	(e)
(iii) When Stop button is clicked, the application should close.	[5]





Q-5 (a)	Distinguish between Single Row and Aggregate Functions of MySQL. Write one exam [2]	ple of ea	ach.
	nsider the following table named "SOFTDRINK". Write commands of SQL for (i) to (iv) put for (V)to(Vii).	and	[7]
I. To d	splay name and drink codes of those drinks that have more than 120 calories.		
II. To c	isplay drink codes, name and calories of all drinks in descending order of calories.		
III. To	lisplay name and prices of drinks that have price in the range 12 to 18 (both 12 and 1	.8 includ	ed).
IV. Inc	ease the price of all drinks in the given table by 10%.		
V. SEL	CT COUNT(DISTINCT(PRICE)) FROM SOFTDRINK;		
VI. SEI	ECT MAX(CALORIES) FROM SOFTDRINK;		
VII. SE	ECT DNAME FROM SOFTDRINK WHERE DNAME LIKE "%MANGO%";		
(c) Wł	at is the cardinality and degree of the 'SOFTDRINK' table ?		[1]
Q-6. (a	Write MySQL command to create the table 'LIBRARY' with given constraints.		[2]
	Book_ID (Primary key)		
	Book_name (should not be null)		
	Price (should be greater than 0)		
(b) In	database two tables given below:		
Sch	pol (school_id , school_nm,phone)		
Tea	chers (teacher_id , nm , school_id , qualification)		
Write	the SQL queries for the following :		[2]
	splay schoolname , phone , teacher name and qualification of teachers.		[-]
	splay the name of all the teacher working in the school 'SBPS';		
	at will be the result of following expression if		[1]
(C) VVI	(i) age=25		[±]
	······································		
	(ii) age=65		
	(iii) age=85?		
	age > 65 ? 350: 100.	543	
	ite a statement to convert "1002" into int.	[1]	
(e)Wr	ich of the following are Open Standard and which are Proprietary standard?		[2]
	a. FLAC b. XLS c. BMP		
	d. PNG e. JPEG e. WMA		
(f)	What is wrong with the following code?	[1]	
	public class Tomato extends Fruits , Vegetables		
(g) Na	me the two jump statements of Java.		[1]
0-7 (a)	What do you understand by the following in a relational database :		[2]
~ -7(a	i) Candidate Key ii) View		[4]
(h) Ca		r (i) +a (i	
(b) CO	nsider the following tables BOOKINGS and PACKAGE and write SQL commands fo	ו (ו) נט (וי	
	and outputs for (v) and (vi).		[6]

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BOOKINGS

Pcode	Tourist Name	Agency	No_of_persons	Tdate
P5	Raghavendra	Voyager	2	23-dec-10
P2	Hardep	Pristine	4	12-jan-11
P5	Shazia	Go Now	6	25-dec-10
P6	Lizza	Pristine	2	28-dec-10
P3	Diana	Voyager	4	19-mar-11
P6	Harshal	Go Now	4	21-mar-11
P1	Rajiv Khanna	Travels	12	12-apr-11
P1	Veena Sethi	Voyager	5	01-apr-11

PACKAGE

Pcode	Pname	Per_Person_amt
P1	Kerala	20000
P2	Malaysia	35000
P3	Goa	56525
P4	Manali	15000
P5	Simla	12000
P6	Singapore	75450

I.Display the name of all the tourists, their travel dates, names of the places they are traveling to and the total amount to be paid by each tourist.

II. Display the name of the agencies from the BOOKING table.

III. Arrange the contents of the table BOOKING in ascending order of travel date.

IV. Display the maximum no of persons traveling of each travel agency.

V.SELECT Tourist Name, Agency, Pname from BOOKINGS, PACKAGE where BOOKINGS.Pcode = PACKAGES.Pcode and Per_person_amt>3500;

VI.SELECT Agency, sum(No_of_persons) from BOOKING group by agency having sum(No_of_persons)>10;

- (c) Rajen wants to list all the tables in his database namely RESULT. What command should he write at sql prompt to get the result? [1]
- (d) What will be the result of the following code ? select CONCATE(RIGHT('MAHAN',4),MID('MANAN',3,1));

[1]