


Marking Scheme

Subject: Informatics Practices

Class: XII

Session 2017-18

Time: 3 Hrs.			M.M. 70
1	(a)	Mr. Ravi, an IT Help Desk executive needs to remotely login a customer's PC to provide him technical support. Suggest a remote access software to him.	1
	Ans	Teamviewer <i>(1 Mark for correct answer)</i>	
	(b)	Identify the type of network (out of LAN/PAN/MAN/WAN) formed in the given diagram: 	1
	Ans	PAN <i>(1 Mark for each correct answer)</i>	
	(c)	Identify the fastest wired media out of the following: Ethernet cable, Optical fiber, Co-axial cable	1
	Ans	Optical fiber <i>(1 Mark for correct answer)</i>	
	(d)	Mention any two main advantages of star topology over bus topology.	1
	Ans	i. It has centralized control. ii. Fault diagnosis is easy. <i>(½ Mark for each correct advantage)</i>	
	(e)	Discuss the significance of Bluetooth technology.	2
	Ans	Bluetooth is a wireless technology standard for exchanging data over short distances using short-wavelength radio waves. It is used in building personal area networks (PANs).	

		<p>Now a days many gadgets and peripheral devices are Bluetooth enabled like Speakers, mouse, headphone, printer etc.</p> <p>(2 Mark for correct answer)</p>	
	(f)	<p>I. Write down any two advantages of Open Source Software over Proprietary software.</p> <p>II. Ms. Sita trying to log into your Internet Banking account for online transaction activity. However, as strange as it may seem, she is denied of an access to the bank’s website, in spite of having a swift internet connection.</p> <p>What do you think the reason behind this problem is and suggest her few simple precautions in order to overcome any such type of network security threats.</p>	4
	Ans	<p>I.</p> <p>i. Source code is available.</p> <p>ii. Money need not to be paid for procuring the license for usage and further distribution.</p> <p>(1 Mark for each correct advantage)</p> <p>II.</p> <p>She could be under a DoS attack!</p> <p>She should deploy an antivirus program and firewall into her network if not already done. This helps in restricting the bandwidth usage to authenticated users only.</p> <p>(1 Mark for correct reason identification)</p> <p>(1 Mark for suggesting correct precautions)</p>	
2	(a)	<p>I. Help Manish in identifying the incorrect variable name with justification from the following:</p> <p>i. unit@price; ii. fee; iii. userid; iv. avg marks;</p> <p>II. Write Java code to declare a variable named Price of integer type. Assign a value 10 to this variable. Overwrite the value of price with its double value. Decrease the value of price by 5.</p>	4
	Ans	<p>I.</p> <p>i. unit@price; // Special symbols like ‘@’ is not allowed in variable name</p> <p>iv. avg marks; // Spaces are not allowed in variable name</p> <p>(½ Mark for each correct identification of incorrect variable name)</p> <p>(½ Mark for each correct justification)</p> <p>II.</p> <pre>int price; price=10; price=price*2; price=price-5;</pre>	

	<i>(1/2 Mark for each correct statement)</i>	
(b)	<p>Rewrite the following code using switch case:</p> <pre>int day=Integer.parseInt(jTextField1.getText()); if(day>=1 && day<=5) JOptionPane.showMessageDialog(this, "Working Day"); else if(day>=6 && day<=7) JOptionPane.showMessageDialog(this, "Off Day"); else JOptionPane.showMessageDialog(this, "Invalid Entry");</pre>	2
Ans	<pre>int day=Integer.parseInt(jTextField1.getText()); switch(day) { case 1: case 2: case 3: case 4: case 5: JOptionPane.showMessageDialog(this, "Working Day"); break; case 6: case 7: JOptionPane.showMessageDialog(this, "Off Day"); break; default: JOptionPane.showMessageDialog(this, "Invalid Entry"); }</pre> <p><i>(2 Mark for correct conversion of if-else block to switch block)</i></p>	
(c)	<p>i. Ms. Sangeeta wants to add few descriptive lines in the HTML code which should not be displayed on the webpage rather should remain inactive during execution. Suggest her the solution along with example.</p> <p>ii. How HTML is different from XML? Mention any two point of difference.</p>	4
Ans	<p>i.</p> <p>She should use comments in HTML. Any text to make comments in HTML, should be preceded by <!-- and should end with --></p> <p>Example:</p> <pre><body> <!-- This is only used for comment --> Welcome </body></pre> <p><i>(1 Mark for correct solution)</i></p>	

		<p><i>(1 Mark for correct example)</i></p> <p>ii.</p> <ul style="list-style-type: none"> HTML is used to display data and to focus on formatting of data, whereas XML is used to describe data and focus on what data is. HTML tags are not case sensitive whereas XML tags are case sensitive. HTML tags are predefined, whereas XML tags are not predefined. XML is used to store and transfer the data over different platforms while HTML is used to design webpages. <p><i>(2 Marks for any two correct point for differentiation)</i></p>									
3	(a)	Mention any two example of common Database Management System.	1								
	Ans:	MySQL, Ingres, Postgres, Oracle etc.									
		<i>(½ Mark for any two correct example)</i>									
	(b)	Write the full forms of the following: i. DDL ii. DML	1								
	Ans:	i. DDL-Data Definition Language ii. DML-Data Manipulation Language									
		<i>(½ Mark for each correct full form)</i>									
	(c)	<p>Ms. Archana, a class XI student has just started learning MySQL. Help her in understanding the basic difference between Alter and Update command with suitable example.</p> <p>Also suggest her suitable command for the following purpose:</p> <ol style="list-style-type: none"> To display the list of the databases already existing in MySQL. To use the database named City. To remove the pre-existing database named Clients. To remove all the records of the table named “Club” at one go along with its structure permanently. 	4								
	Ans:	<p>Differentiation between ALTER and UPDATE command:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">ALTER</th> <th style="text-align: center;">UPDATE</th> </tr> </thead> <tbody> <tr> <td>It’s a DDL command.</td> <td>It’s a DML command.</td> </tr> <tr> <td>It can be used for the following purpose: <ul style="list-style-type: none"> To add a new column. To remove an existing column. To modify a column. To add/remove a constraint. </td> <td>It’s used to modify the records of the table.</td> </tr> <tr> <td>Example: If a table named emp already exists with following columns:</td> <td>Example: To modify the address to Noida from “New Delhi”, we may use</td> </tr> </tbody> </table>	ALTER	UPDATE	It’s a DDL command.	It’s a DML command.	It can be used for the following purpose: <ul style="list-style-type: none"> To add a new column. To remove an existing column. To modify a column. To add/remove a constraint. 	It’s used to modify the records of the table.	Example: If a table named emp already exists with following columns:	Example: To modify the address to Noida from “New Delhi”, we may use	
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	<table border="1" data-bbox="337 226 748 268"> <tr> <td>Empno</td> <td>Name</td> <td>Dept</td> </tr> </table> <p>To add an address column, we may use following command:</p> <p>Alter Table emp add address varchar(20);</p>	Empno	Name	Dept	<p>the following command :</p> <p>Update emp set address="Noida" where city="New Delhi";</p>																																			
Empno	Name	Dept																																						
	<p>(1 Mark for correct differentiation between ALTER and UPDATE command) (1 Mark for suitable example)</p> <p>suitable command:</p> <p>i. Show Databases ii. Use City iii. Drop Database Clients iv. Drop table Club</p> <p>(1/2 Mark for each the correct answer)</p>																																							
(d)	<p>Observe the given table named "Loan" carefully and predict the output of the following queries:</p> <p style="text-align: center;">Loan</p> <table border="1" data-bbox="321 1041 1360 1451"> <thead> <tr> <th>File_No</th> <th>Cust_Name</th> <th>PhoneNo</th> <th>Loan_Amt</th> <th>Bank</th> <th>Cheque_Dt</th> </tr> </thead> <tbody> <tr> <td>619095</td> <td>Ms. Roshni</td> <td>9899965430</td> <td>809876</td> <td>HBDC Ltd.</td> <td>2017-06-15</td> </tr> <tr> <td>234252</td> <td>Mr. Rajesh</td> <td>8654327890</td> <td>745738</td> <td>ICUCI Ltd.</td> <td>2017-07-22</td> </tr> <tr> <td>543613</td> <td>Mrs. Sapna</td> <td>8883546354</td> <td>NULL</td> <td>NBI Ltd.S</td> <td>2017-07-24</td> </tr> <tr> <td>435467</td> <td>Mr. Navneet</td> <td>9764747474</td> <td>647484</td> <td>ICUCI Ltd.</td> <td>2017-08-13</td> </tr> <tr> <td>263427</td> <td>Ms. Puja</td> <td>8746454742</td> <td>546373</td> <td>HBDC Ltd.</td> <td>2017-08-30</td> </tr> </tbody> </table> <p>i. select count(file_no)-count(loan_amt) from loan; ii. select Cust_Name, Loan_Amt from loan where month(cheque_dt)=7; iii. SELECT concat(left(file_no,2),right(cust_name,2)) AS "ID" from loan where Bank='ICUCI Ltd.'; iv. select round(loan_amt-loan_amt*10/100) As "Discounted Payment" from loan where loan_amt>700000;</p>			File_No	Cust_Name	PhoneNo	Loan_Amt	Bank	Cheque_Dt	619095	Ms. Roshni	9899965430	809876	HBDC Ltd.	2017-06-15	234252	Mr. Rajesh	8654327890	745738	ICUCI Ltd.	2017-07-22	543613	Mrs. Sapna	8883546354	NULL	NBI Ltd.S	2017-07-24	435467	Mr. Navneet	9764747474	647484	ICUCI Ltd.	2017-08-13	263427	Ms. Puja	8746454742	546373	HBDC Ltd.	2017-08-30	4
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Ans.	<p>i.</p> <pre> +-----+ count(file_no)-count(loan_amt) +-----+ 1 +-----+</pre>																																							

		<p>ii.</p> <pre>+-----+ cust_name loan_amt +-----+ Mr. Rajesh 745738 Mrs. Sapna NULL +-----+</pre> <p>iii.</p> <pre>+-----+ ID +-----+ 23sh 43et +-----+</pre> <p>iv.</p> <pre>+-----+ Discounted Payment +-----+ 728888 671164 +-----+</pre> <p><i>(1 Mark for each the correct output)</i></p>	
4	(a)	Write down the full forms of the following: i. URL ii. IDE	1
	Ans	i. Uniform Resource Locator ii. Integrated Development Environment <i>(½ Mark for each correct full forms)</i>	
	(b)	Which property is to be used during design time to add a list of countries in the list box?	1
	Ans	Model property <i>(1 Mark for correct answer)</i>	
	(c)	What will be the final value of variable x after the following code is executed: int x=10; while(x>1) { x=x/3; ++x;	1

		}	
Ans	1		
	<i>(1 Mark for correct answer)</i>		
(d)	<p>i. Find the output of the following Java code snippet after execution of each java statement labelled as Line 1, Line 2, Line 3, Line 4:</p> <pre>String userid="INDIA",pwd=""; pwd=userid.substring(0,2); //Line 1 int L=userid.length(); //Line 2 pwd=pwd.toLowerCase(); //Line 3 pwd=pwd.concat(""+L); //Line 4</pre> <p>ii. Rewrite the following code using for loop:</p> <pre>int attempt=0; while(attempt<=3) { String login=jTextField1.getText(); String pwd=jTextField2.getText(); if(login.equals("XII") && pwd.equals("IP")) { jOptionPane1.showMessageDialog(null, "Welcome"); break; } else jOptionPane1.showMessageDialog(null, "Pl try again"); attempt++; }</pre>	4	
Ans	<p>i. IN 5 in in5 <i>(1/2 Mark for each correct output)</i></p> <p>ii.</p> <pre>for(int attempt=0;attempt<=3;attempt++) { String login=jTextField1.getText(); String pwd=jTextField2.getText(); if(login.equals("XII") && pwd.equals("IP"))</pre>		

	<pre> { jOptionPane1.showMessageDialog(null, "Welcome"); break; } else jOptionPane1.showMessageDialog(null, "Pl try again"); } </pre> <p>(2 Mark for correct code in for loop)</p>	
(e)	<p>The following code has error(s). Rewrite the correct code underlining all the corrections made :</p> <pre> int start=2;end=20; do; { start=start+start; while(start<=end) </pre>	2
Ans	<pre> int start=2₂end=20; //Correction 1 do //Correction 2 { start=start+start; } //Correction 3 while(start<=end)_; //Correction 4 </pre> <p>(1/2 Mark for each correct correction)</p>	
(f)	<p>Ms. Neelam works as a programmer in “Kidz Entertainment Zone”. She has designed a Registration Page to calculate the total fee of summer camp depending upon the number of activities selected by the user considering age eligibility as well. A screenshot of the same is shown below:</p>	

Summer Camp

KIDZ ENTERTAINMENT ZONE

Registration Page

Name

Age

Singing Dancing Drawing

Painting Acting Modelling

Fee

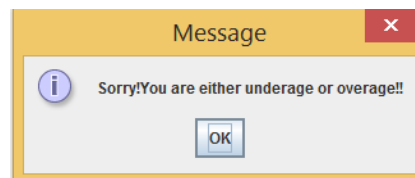
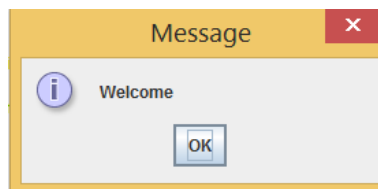
Discount

Net Fee

6

Help her in writing the code to do the following:

i. After entering the age in the specified text field, when ‘Chk Eligibility’ button is clicked, a dialogue box should be displayed with a message “Welcome” if age is in between 3-13 years else the program should be terminated after displaying the message “Sorry! You are either underage or overage!!”.



ii. After selecting the desirable activities, total fee should be displayed in the specified text field on the click of “Proceed” button at the rate of Rs. 1000 per activity.

iii. A discount of 20% is applicable if more than one activity is chosen by the user.

iv. After clicking on the “Net Fee” button, Net Fee should be calculated and displayed in the respective text field as per the given formula:

$$\text{NetFee} = \text{Fee} - \text{Discount}$$

Ans

```
i.  
int age=Integer.parseInt(jTextField2.getText());  
if(age>=3 && age<=13)  
{  
jOptionPane1.showMessageDialog(this, "Welcome");  
}  
else  
{  
jOptionPane1.showMessageDialog(this, "Sorry!You are either underage or  
overage!!");  
System.exit(0);  
}  
(2 Mark for correct code)
```

```
ii.  
int count=0;  
if(jCheckBox1.isSelected())  
count++;  
if(jCheckBox2.isSelected())  
count++;  
if(jCheckBox3.isSelected())  
count++;  
if(jCheckBox4.isSelected())  
count++;  
if(jCheckBox5.isSelected())  
count++;  
if(jCheckBox6.isSelected())  
count++;  
jTextField3.setText(""+(count*1000));  
  
(2 Mark for correct code)
```

```
iii.  
int fee=Integer.parseInt(jTextField3.getText());  
int disc=0;  
if(fee>1000)  
disc=fee*20/100;  
jTextField4.setText(""+(disc));  
  
(1 Mark for correct code)
```

```
iv.  
int fee=Integer.parseInt(jTextField3.getText());  
int disc=Integer.parseInt(jTextField4.getText());  
jTextField5.setText(""+(fee-disc));
```

		<i>(1 Mark for correct code)</i>																																																								
5	(a)	While creating a table named “Employee”, Mr. Rishi got confused as which data type he should chose for the column “EName” out of char and varchar. Help him in choosing the right data type to store employee name. Give valid justification for the same.	2																																																							
	Ans:	Varchar would be the suitable data type for EName column as char data type is a fixed length data type while varchar is a variable length data type. Any employee’s name will be of variable length so it’s advisable to choose varchar over char data type. <i>(1mark for the correct data type)</i> <i>(1mark for the correct Justification)</i>																																																								
	(b)	Ms. Shalini has just created a table named “Employee” containing columns Ename, Department, Salary. After creating the table, she realized that she has forgotten to add a primary key column in the table. Help her in writing SQL command to add a primary key column empid. Also state the importance of Primary key in a table.	2																																																							
	Ans:	SQL command to add a primary key column: Alter table employee add empid int primary key; Importance of Primary key in a table: Primary key column is used to uniquely identify each record of the table. A column defined as primary key cannot have a duplicate entry and can’t be left blank. <i>(1 mark for correct SQL command to add a primary key column)</i> <i>(1 mark for correct importance of Primary key in a table)</i>																																																								
	(c)	Consider the following table: <p style="text-align: center;"><u>Student</u></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Admn</th> <th>Name</th> <th>Stream</th> <th>Optional</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>Shrishti</td> <td>Science</td> <td>CS</td> <td>90</td> </tr> <tr> <td>1002</td> <td>Ashi</td> <td>Humanities</td> <td>Maths</td> <td>80</td> </tr> <tr> <td>1003</td> <td>Aditya</td> <td>Commerce</td> <td>IP</td> <td>60</td> </tr> <tr> <td>1004</td> <td>Ritu Raj</td> <td>Science</td> <td>IP</td> <td>65</td> </tr> <tr> <td>1005</td> <td>Sonali</td> <td>Commerce</td> <td>Maths</td> <td>60</td> </tr> <tr> <td>1006</td> <td>Saumya</td> <td>Science</td> <td>IP</td> <td>65</td> </tr> <tr> <td>1007</td> <td>Ashutosh</td> <td>Science</td> <td>IP</td> <td>95</td> </tr> <tr> <td>1008</td> <td>Prashant</td> <td>Commerce</td> <td>P.ED</td> <td>80</td> </tr> <tr> <td>1009</td> <td>Aman</td> <td>Commerce</td> <td>IP</td> <td>70</td> </tr> <tr> <td>1010</td> <td>Rishabh</td> <td>Humanities</td> <td>P.ED</td> <td>85</td> </tr> </tbody> </table> Write commands in SQL for (i) to (iv):	Admn	Name	Stream	Optional	Average	1001	Shrishti	Science	CS	90	1002	Ashi	Humanities	Maths	80	1003	Aditya	Commerce	IP	60	1004	Ritu Raj	Science	IP	65	1005	Sonali	Commerce	Maths	60	1006	Saumya	Science	IP	65	1007	Ashutosh	Science	IP	95	1008	Prashant	Commerce	P.ED	80	1009	Aman	Commerce	IP	70	1010	Rishabh	Humanities	P.ED	85	4
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	<ul style="list-style-type: none"> i. To display the details of all those students who have IP as their optional subject. ii. To display name, stream and optional of all those students whose name starts with 'A'. iii. To give an increase of 3 in the average of all those students of humanities section who have Maths as their optional subject. iv. To display a name list of all those students who have average more than 75. 																					
Ans:	<ul style="list-style-type: none"> i. select * from student where optional='IP'; ii. select name, stream, optional from student where name like 'A%'; iii. update student set average=average+3 where stream='Humanities' and optional='Maths'; iv. select name from student where average>75; <p>(1 Mark each correct command)</p>																					
(d)	<p>On the basis of the Table Student, write the output(s) produced by executing the following queries:</p> <ul style="list-style-type: none"> i. Select max(average), min(average) from students group by stream having stream like 'Science'; ii. Select name from students where optional IN ('CS', 'IP'); 	2																				
Ans :	<ul style="list-style-type: none"> i. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Max(Average)</th> <th>Min(Average)</th> </tr> </thead> <tbody> <tr> <td>95</td> <td>65</td> </tr> </tbody> </table> ii. <table border="1" style="margin-left: 20px;"> <tbody> <tr><td>Name</td></tr> <tr><td>Shrishti</td></tr> <tr><td>Aditya</td></tr> <tr><td>Ritu Raj</td></tr> <tr><td>Saumya</td></tr> <tr><td>Ashutosh</td></tr> <tr><td>Aman</td></tr> </tbody> </table> <p>(1 Mark for each correct output)</p>	Max(Average)	Min(Average)	95	65	Name	Shrishti	Aditya	Ritu Raj	Saumya	Ashutosh	Aman										
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6 (a)	<p>Write SQL query to create a table "Registration" with the following structure:</p> <p style="text-align: center;">Table: Registration</p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Field name</th> <th>Datatype</th> <th>Size</th> <th>Constraint</th> </tr> </thead> <tbody> <tr> <td>Reg_Id</td> <td>Integer</td> <td>2</td> <td>Primary Key</td> </tr> <tr> <td>Name</td> <td>Varchar</td> <td>20</td> <td></td> </tr> <tr> <td>Course</td> <td>Varchar</td> <td>10</td> <td></td> </tr> <tr> <td>Join_Dt</td> <td>Date</td> <td></td> <td></td> </tr> </tbody> </table>	Field name	Datatype	Size	Constraint	Reg_Id	Integer	2	Primary Key	Name	Varchar	20		Course	Varchar	10		Join_Dt	Date			2
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Reg_Id	Integer	2	Primary Key																			
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Course	Varchar	10																				
Join_Dt	Date																					
Ans:	<p>Create table Registration (Reg_Id Integer(2) Primary Key, Name varchar(20),</p>																					

	<p>Course varchar(10), Join_Dt date);</p> <p><i>(½ Mark for create table statement)</i> <i>(1 Mark for all the fieldnames with datatypes)</i> <i>(½ Mark for correct placement of Primary key constraint)</i></p>																																																																					
(b)	<p>Consider the tables given below while attempting the following questions:</p> <p style="text-align: center;">Train</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TrainId</th> <th>TName</th> <th>Source</th> <th>Destination</th> </tr> </thead> <tbody> <tr> <td>3402</td> <td>Century Express</td> <td>New Delhi</td> <td>Mumbai</td> </tr> <tr> <td>4023</td> <td>Superfast Express</td> <td>Kanyakumari</td> <td>Chandigarh</td> </tr> <tr> <td>3424</td> <td>Lucknow Mail</td> <td>Lucknow</td> <td>New Delhi</td> </tr> <tr> <td>6542</td> <td>Capital Express</td> <td>Chennai</td> <td>Kolkata</td> </tr> <tr> <td>9876</td> <td>Punjab Mail</td> <td>Patna</td> <td>Ludhiana</td> </tr> <tr> <td>5400</td> <td>Century Express</td> <td>New Delhi</td> <td>Kanpur</td> </tr> </tbody> </table> <p style="text-align: center;">Reservation</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RefNo</th> <th>TrainId</th> <th>Passenger</th> <th>JourneyDate</th> </tr> </thead> <tbody> <tr> <td>S001</td> <td>4023</td> <td>Shubham Singh</td> <td>2017-07-02</td> </tr> <tr> <td>C001</td> <td>6542</td> <td>Jishan Mittal</td> <td>2017-06-25</td> </tr> <tr> <td>S002</td> <td>4023</td> <td>Jessica Raj</td> <td>2017-07-02</td> </tr> <tr> <td>P001</td> <td>9876</td> <td>Paramjeet Singh</td> <td>2017-07-22</td> </tr> <tr> <td>S003</td> <td>4023</td> <td>Gurjyot Singh</td> <td>2017-07-03</td> </tr> <tr> <td>C002</td> <td>6542</td> <td>Akash Mukharjee</td> <td>2017-06-25</td> </tr> <tr> <td>P002</td> <td>9876</td> <td>Meera Devi</td> <td>2017-07-22</td> </tr> <tr> <td>L001</td> <td>3424</td> <td>Ruby Lal</td> <td>2017-06-29</td> </tr> <tr> <td>C003</td> <td>5400</td> <td>Tapshree</td> <td>2017-07-04</td> </tr> </tbody> </table>	TrainId	TName	Source	Destination	3402	Century Express	New Delhi	Mumbai	4023	Superfast Express	Kanyakumari	Chandigarh	3424	Lucknow Mail	Lucknow	New Delhi	6542	Capital Express	Chennai	Kolkata	9876	Punjab Mail	Patna	Ludhiana	5400	Century Express	New Delhi	Kanpur	RefNo	TrainId	Passenger	JourneyDate	S001	4023	Shubham Singh	2017-07-02	C001	6542	Jishan Mittal	2017-06-25	S002	4023	Jessica Raj	2017-07-02	P001	9876	Paramjeet Singh	2017-07-22	S003	4023	Gurjyot Singh	2017-07-03	C002	6542	Akash Mukharjee	2017-06-25	P002	9876	Meera Devi	2017-07-22	L001	3424	Ruby Lal	2017-06-29	C003	5400	Tapshree	2017-07-04	
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(i)	Identify the primary key column of Train and Reservation.	1																																																																				
Ans:	<p>Train-TrainId Reservation-RefNo</p> <p><i>(½ Mark for each correct answer)</i></p>																																																																					
(ii)	<p>Help Mr. Sajal in identifying the wrong statement with reference to UNION clause:</p> <ol style="list-style-type: none"> Each SELECT statement within UNION must have the same number of columns The columns must also have similar data types The columns in each SELECT statement must also be in the same order By default, the UNION operator selects all the values. 	1																																																																				
Ans:	<p>d</p> <p><i>(1 Mark for correct answer)</i></p>																																																																					
(c)	With reference to the above given tables, write commands in SQL for (i) and (ii) and output for (iii) below:	6																																																																				

		<p>i. To display the Train name along with its passenger name.</p> <p>ii. To display Train detail which has no reservation yet.</p> <p>iii. SELECT T.* from Train T, Reservation R where T.TrainId=R.TrainId AND Source LIKE “%Delhi” OR Destination LIKE “%Delhi”;</p>													
	Ans:	<p>i. select TName, Passenger from Train T, Reservation R where T.TrainId=R.TrainId;</p> <p><i>(½ Mark for correct usage of Select)</i> <i>(½ Mark for correct From statement)</i> <i>(1 Mark for the correct condition)</i></p> <p>ii. i. select T.* from Train T, Reservation R where T.TrainId!=R.TrainId;</p> <p><i>(½ Mark for correct usage of Select)</i> <i>(½ Mark for correct From statement)</i> <i>(1 Mark for the correct condition)</i></p> <p>iii.</p> <table border="1"> <thead> <tr> <th>TrainId</th> <th>TName</th> <th>Source</th> <th>Destination</th> </tr> </thead> <tbody> <tr> <td>3424</td> <td>Lucknow Mail</td> <td>Lucknow</td> <td>New Delhi</td> </tr> <tr> <td>5400</td> <td>Century Express</td> <td>New Delhi</td> <td>Kanpur</td> </tr> </tbody> </table> <p><i>(1 Mark for each row)</i></p>	TrainId	TName	Source	Destination	3424	Lucknow Mail	Lucknow	New Delhi	5400	Century Express	New Delhi	Kanpur	
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7	(a)	Write down any two benefits of net banking.	1												
	Ans:	<p>i. Banking can be done anytime i.e. 24x7.</p> <p>ii. Its fast and hassle free.</p> <p><i>(½ Mark each for correct benefit)</i></p>													
	(b)	Mr. Sanjay, a banking professional want to enroll himself in an e-Learning course. Mention him any two challenges of e-Learning.	2												
	Ans:	<p>i. The lack of learner’s motivation.</p> <p>ii. The busy schedule of the learners.</p> <p><i>(1 Mark for each correct challenges with e-Learning)</i></p>													
	(c)	<p>Ms. Juhi, works as an IT Executive in a health insurance company named ‘Total Health’. She has been assigned a task to design a customer registration page. Help her in choosing the most appropriate controls for the specified task from Textfield, Label, RadioButton, CheckBox, ListBox, ComboBox, Button and write in the third column considering the following points:</p> <ul style="list-style-type: none"> • Customer can enter his/her name in the control. • Customer can choose only one city out of given list of city. • Customer can choose only one type out of given policy types. • Customer can choose any number of INCLUSIONS out of given inclusions. 	2												
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