Informatics Practices (Code: 065)

Sample Paper 2

Class XII (2015-16)

	Т	ime: 3Hrs.	M: 70
1	(a)	The 'Chalchitra' theatre has a computer network. The network is in one building. (i) Name this type of network(out of LAN/MAN/WAN). (ii) Name one communication channel that can be used for fast communication between workstations of the network.	(2)
	(b)	Explain in brief any 2 security threats to Computer networks.	(2)
	(c)	Write the advantages of using Unicode to represent text.	(2)
	(d)	Write one example each of URL and IP address.	(2)
	(e)	Identify the topology shown below. Write 2 advantages of this topology. Node 2 Star Topology Node 3 Node 5 Node 4	(2)
2	(a)	While working in Netbeans, Ms. Sonia has designed a login page where she wants to display "Welcome" or "Try again" message depending on the password entered by the user in text field named 'jTexField1'. If password entered is "India", 'Welcome' message should be displayed otherwise 'Try again' message should be displayed. Help her in choosing more appropriate statement out of 'If statement' and 'Switch statement'. Give reason for your choice.	(1)

	(b)	Write Java code to assign the value 10 to variable x and store its square value in another variable y.	(1)
	(c)	Deepti works as a programmer in a travel company. She has developed the following code to display travel detail according to user's choice. Help her in rewriting the same code using SWITCH CASE: if (choice==1)	(2)
		<pre>jTextField1.setText("New Delhi to Goa");</pre>	
		<pre>else if(choice==2) jTextField1.setText("New Delhi to Paris");</pre>	
		else if(choice==3)	
		<pre>jTextField1.setText("New Delhi to Bangkok"); else</pre>	
		<pre>jTextField1.setText("Pl. choose valid option");</pre>	
	(d)	Shambhavi has to design two web pages with following specifications: i. One web page should have an unordered list. ii. Another web page should have background "Yellow" in colour.	(2)
		Suggest her suitable tag(s) and attribute(s) for the above specifications.	
	(e)	Albert works as a website developer in Global Website Designers company. Currently he has created following tags in XML: <pre><student></student></pre> <pre><student></student></pre>	(2)
		Are these tags part of HTML code or XML code? Are these same same or different?	
	(f)	How many times will the loop execute?	(2)
		<pre>int value1 =7,value2=19; do {</pre>	
		<pre>JOptionPane.showMessageDialog(null,value1+value2); value1=value1+2; value2=value2-2;</pre>	
_		<pre>}while (value1<=value2);</pre>	
3	(a)	Consider the table 'empsalary'.	(1)

	ID	Salary			
	101	43000			
	102	NULL			
	104	56000			
	107	NULL			
		, Salary Fi	ROM empsalary WHERE Sa tatement.	<pre>lary = something;</pre>	
(b)	Consider th	e table 'Emp	oloyee'.		(1
(b)			Location		(1
(b)	Employee				(1
(b)	Employee Name		Location		(1
(b)	Name Gurpreet		Location Mumbai		(1
(b)	Name Gurpreet Jatinder		Location Mumbai Chennai		(1
(b)	Name Gurpreet Jatinder Deepa		Location Mumbai Chennai Mumbai		(1

	Location				
	Mumbai				
	Chennai				
	New Delhi				
	Bengaluru				
(c)	Game_Played. N		and to insert the C	rgot to include the column Game_Played column with	(1)
(d)	marks as 45. How	wever there was a to	otaling error and the	Class Teacher entered the student has got her marks to change the marks in	(1)
(e)	Consider the tab	le 'Teacher' given be	elow.		(2)
	TeacherId	Department	Periods	7	
	T101	SCIENCE	32		
	T102	NULL	30		
	T103	MATHEMATICS	34		
	(i) Select coun	output of the follow t(Department) fro int(*) from Teache		is of the above table:	

(f)	Consid	ler the Stu t	table		(2)
		ROLLNO	NAME		
		1	Ashi		
		2	Bimmi		
		4	Aakash		
	The fo	ollowing SQ	L queries are	executed on the above table	
	INSE	RT INTO S	Stu VALUES(5,'Gagan');	
	COMM	IT;			
	UPDA'	TE Stu SE	ET name='Ab	hi' WHERE Rollno = 4	
	SAVE	POINT A;			
			Stu VALUES(6,'Chris');	
		POINT B;			
			Stu VALUES(7,'Babita');	
	SAVE	POINT C;			
	ROLL	BACK TO E	3;		
	What	will be the o	utput of the fo	lowing SQL query now:	
	SELEC	CT * FROM	Stu;		
(g)			of datatype value "K	archar(20) has the value "Amit" . The attribute B of aranita" .	(2)

```
How many characters are occupied in attribute A? How many characters are occupied
        in attribute B?
4
        Following is a list of programming languages:
                                                                                          (1)
   (a)
        BASIC, COBOL, C, JAVA
        Help Sandhya in identifying Object Oriented language(s) from the above given list.
        Satyam is designing a frame in Netbeans containing list box. Help him in writing
                                                                                          (1)
   (b)
        suitable Java statement to extract selected item from a given listbox named "jList1."
        What will be displayed in jTextField1 and jTextField2 after the following code is
   (c)
                                                                                          (1)
        executed:
        int number = 12;
        if (number <15)
          jTextField1.setText(""+ number) ;
          number++;
          jTextField2.setText(""+ number) ;
          }
        else
          jTextField1.setText("number1") ;
          number++;
          jTextField2.setText("number2") ;
        Find output of the following Java code snippet:
                                                                                          (2)
   (d)
        String City="Delhi", PinCode="110001", Str="";
        City=City+" "+PinCode;
        JOptionPane.showMessageDialog(null,City);
        int l=City.length();
        int i=0;
        while(i<1)
        Str=Str+City.substring(6);
        i=i+15;
        }
        JOptionPane.showMessageDialog(null,Str);
        Rewrite the following code using WHILE loop:
   (e)
                                                                                          (2)
        int x=100;
        for(int i=2; i <= 22; i=i+4)
```

```
jTextArea1.append("\n"+(i+x));
      x=x-2;
(f)
     The following code has error(s). Rewrite the correct code underlining all the
                                                                                          (2)
     corrections made:
           int n=5,int i=1,f=1;
           do;
           {
           f=f*i;
           i++;
           while(i<=n)
           jTextField1.setText(""+f);
     Mr. Pawan works as a programmer in "ABC Marketing Company" where he has
(g)
     designed a Salary generator software to generate the salary of salesman in which
     Name and Salary are entered by the user. A screenshot of the same is shown below:
                                                                 - - X
                             ABC Company
                                                               Units Sold
        Name
                       Arnav
                                                                   1 to 20
                       25000
        Salary
                                                                   21 to 40
                                                                   >40
        Commission
                       2000
                                              Commission
                                                                Facilities
        Gross Salary
                       27000
                                              Gross Salary
                                                                ✓ Transport
        Facilities Charges
                       500
                                                                Mess
                                            Facilities Charges
                       26500
         Net Salary
                                               Net Salary
     Help him in writing the code to do the following:
     i. After selecting appropriate Radio Button, when 'Commission' button is clicked,
                                                                                          2
     commission should be displayed in the respective text field as each Salesman will get
     a commission based on the units sold according to the following criteria:
```

				_	•	
			Units Sold	Commission (in Rs)		
			1 to 20	500		
			20 to 40	1000		
			>40	2000		
		ii. When 'Gross Salary' bu displayed in the respective Gross Sala iii. After required selection	text field as per ary= Salary+Com	the given form mission	ula:	1
		clicked, Facility charges will following criteria:		. , ,		2
			Facility	Charges		
			Transport	500		
			Mess	2000		
		iv. Money will be deducted the employee. When 'Net and displayed in the respec Net Salar	Salary' button is	s clicked, Net S per the given f	alary should be calculated	1
5	(a)	Mrs. Sharma is the classtea to store details of her class: i) Which of the following ca a) RollNo b) "Amit" c) Nan ii) Name the Primary key of	n be the attribut ne d) 25	tes of Student to	able?	2
	(b)	Write the output of the foll i) SELECT TRUNCAS		es:		(2
			8			

- ii) SELECT MID('HONESTY WINS',3,4);
- iii) SELECT RIGHT(CONCAT(\PRACTICES','INFORMATICS'),5);
- iv) SELECT DAYOFMONTH('2015-01-16');
- (c) Table "Emp" is shown below. Write commands in SQL for (i) to (iv) and output for (v) and (vi)

ID	NAME	AGE	ADDRESS	SALARY	PHONE
1	Siddharth	25	A-4, Ashok Vihar, Delhi	62000	98110766656
2	Chavi	23	B-21, Model Town, Mumbai	71000	99113423989
3	Karan	26	KC-24, North Avenue, Bhopal	65000	98105393578
4	Raunaq	22	A-152, Gomti Nagar, Lucknow	89000	99101393576
5	Kunal	27	B-5/45, Uday Park, Delhi	80000	97653455654

- i. To display list of all employees below 25 years old.
- ii. To list names and respective salaries in descending order of salary.
- iii. To count the number of employees with names starting with 'K'
- iv. To list names and addresses of those persons who have 'Delhi' in their address.
- v. SELECT Name, Salary FROM Emp where salary between 50000 and 70000;
- Vi. SELECT Name, phone from emp where phone like '99%';

6 (a)	Write SQL query t	co create a	table '	Player' with	the following structure:	2
		Field		Туре	Constraint	
		playe	erid	Integer	Primary key	
		name		Varchar(50)	
		heigh		Integer		
		weigl		Integer		
		datel		Date		
		team	name	Varchar(50)	
(b)	Consider the table Salesperson	es given bel	.ow.			2
	-	T	I.			
	SalespersonId	Name	Age	Salary		
	1	Ajay	61	140000		
	2	Sunil	34	44000		
	5	Chris	34	40000		
	7	Amaaya	41	52000		
	Orders	ı				
	OrderId	Salesperso	nld	Amount		
	10	2	į	54000		
	20	7	,	18000		
	30	1	4	46000		

		40		5	24000			
		Salesperso	onId col	umn in the "Orde	ers" table is	person" table is the a KEY. nary key in table 'Ord		
	(c)	(ii) and out i. To di. To di. To names	itput for isplay Start we start we salesg	or (iii) below: SalespersonID, na names ,salesper vith 'A' and sales lespersonId, r	rsons ids ar amount is	ids and order amoun	esperson, orders	6
7	(a)	would be	benefic	ial to the compa	ny to creat	• ,	have decided that it ould allow customers om the website.	(2)
	(b)	i) technol ii) Compu	ogy ma ter lite	kes governance s racy and basic In	speedier ternet usag	(s) of e-Governance se is not required. s most of the inforn	nation is available to	(1)
	(c)	functions.	Choos	e appropriate co	ontrols fron		orm for the following Radio button, Check	(2)
		S. No.	Contro	ol used to	Cont	rol		
		1	Enter	Admission numbe	er			
		2	Select	Stream				

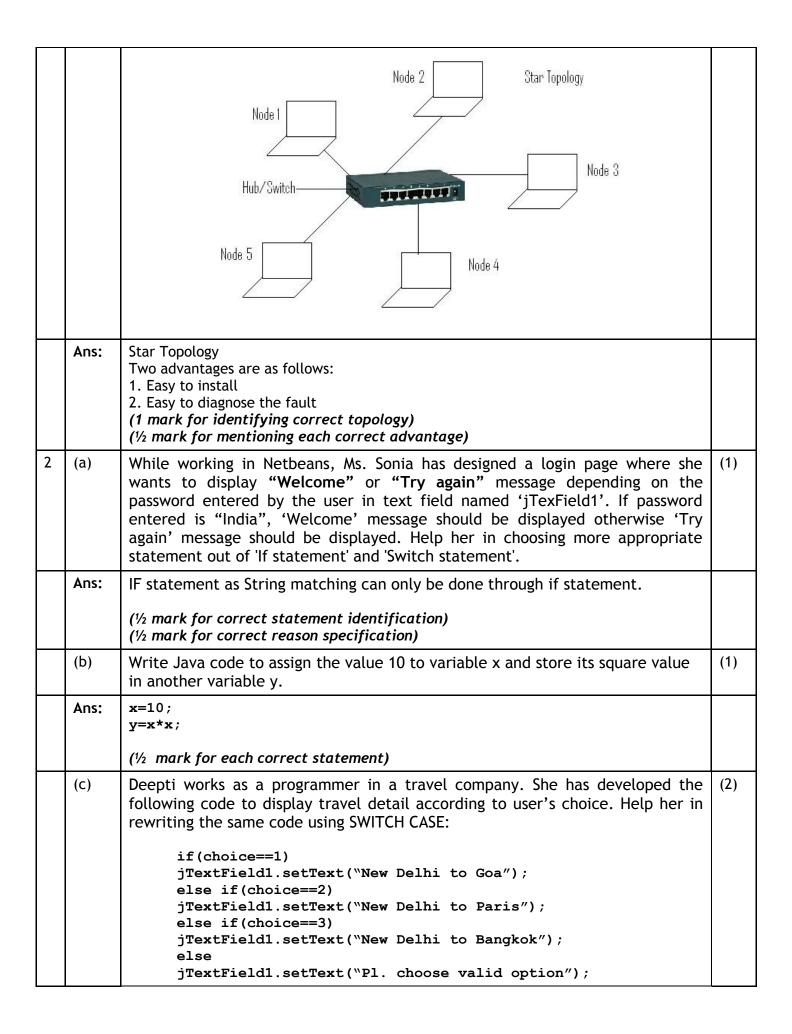
3	Select Subject		
4	Clear the Form		

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Marking Scheme Sample Paper2

Class XII (2015-16)

	ne: 3Hrs : 70	•	
1	(a)	The 'Chalchitra' theatre has a computer network. The network is in one building. (i) Name this type of network(out of LAN/MAN/WAN). (ii) Name one communication channel that can be used for fast communication between workstations of the network.	(2)
	Ans:	i.LANii. Optical fiber cable(1 mark for each correct answer)	
	(b)	Explain in brief any 2 security threats to Computer networks.	(2)
	Ans:	 Denial of service attack: It is an attempt to make one or more network resources unavailable to their legitimate users. Snooping: It is gaining unauthorised access to another person's or organization's data. 	
		(1 mark for each correct explanation)	
	(c)	Write the advantages of using Unicode to represent text.	(2)
	Ans:	Unicode encoding standard provides the basis for processing, storage and interchange of text data in any language in all modern software and information technology protocols.	
		(2 marks for mentioning correct advantages of Unicode)	
	(d)	Write on example each of URL and IP address.	(2)
	Ans:	URL http://www.cbse.nic.in/welcome.htm IP address	
		122.176.185.219 (1 mark for each correct example)	
	(e)	Identify the topology shown below. Write 2 advantages of this topology.	(2)



```
Ans:
          switch (choice)
          case 1:
           jTextField1.setText("New Delhi to Goa");
          break;
          case 2:
           jTextField1.setText("New Delhi to Paris");
          break;
           case 3:
           jTextField1.setText("New Delhi to Bangkok");
          break:
          default:
           jTextField1.setText("Pl. choose valid option");
          (2 marks for correct converted code)
                                                                                        (2)
   (d)
          Shambhavi has to design two web pages with following specifications:
              i.
                    One web page should have an unordered list.
              ii.
                     Another web page should have background "Yellow" in colour.
          Suggest her suitable tag(s) and attribute(s) for the above specifications.
           i. <UL> <LI>
   Ans:
           ii. <body> tag and bgcolor attribute
           (1 mark each for each correct answer)
          Albert works as a website developer in Global Website Designers company.
                                                                                        (2)
   (e)
           Currently he has created following tags in XML:
           <STUDENT>...</STUDENT>
           <Student>....</Student>
          Are these tags part of HTML code or XML code?
          Are these same same or different?
          These tags are part of XML code.
   Ans:
          These tags are different.
           (1 mark for mentioning XML)
           (1 mark for correct identification)
   (f)
          How many times will the loop execute?
                                                                                        (2)
          int value1 =7,value2=19;
          do
           {
                 JOptionPane.showMessageDialog(null,value1+value2);
                 value1=value1+2;
                 value2=value2-2;
           }while(value1<=value2);</pre>
   Ans:
           4 times.
           (2 marks for mentioning correct output)
3
   (a)
          Consider the table 'empsalary'.
                                                                                        (1)
```

		ID	Salary		
		101	43000		
		102	NULL		
		104	56000		
		107	NULL		
	To select tuples will erroneous SQL statements SELECT ID, Salary	ent:		<pre>written the following = something;</pre>	
	Write the correct SQL	statement.			
Ans:	SELECT ID, Salary	FROM empsalary	y WHERE Salary	y is NOT NULL;	
	(1 mark for correct SQ	L statement)			
(b)	Consider the table 'En Employee	iiptoyee .			(1)
	Name	Location			
	Gurpreet	Mumbai			
	Jatinder	Chennai			
	Deepa	Mumbai			
	Harsh	Chennai			
	Simi	New Delhi			
	Anita	Bengaluru			
	Write the SQL comma	and to obtain the	following outpu	t:	
	Location				
	Mumbai				
	Channai				
	Chennai				
	New Delhi				

Ans:	SELECT DISTINC	I Location FROM	Employee;		
	(1 mark for correc	t SQL statement)			
(c)	column Game_Pl	ayed. Now write	ast week, Ms. Sharma f a command to inse d 30 size into the Stude	rt the Game_Played	(1)
Ans:	Alter Table Stude	nt Add (Game_Play	yed VARCHAR(30));		
	(1 mark for correc	t MySQL command)			
(d)	In 'Marks' colum	n of 'Student' ta	ble, for Rollnumber 2	, the Class Teacher	(1)
	entered the mark	s as 45. However	there was a totaling e	rror and the student	
	has got her mark	s increased by 5.	Which MySQL commar	nd should she use to	
	change the marks	in 'Student' table	•		
Ans:	UPDATE command				
	(1 mark for correc	t SQL answer)			
(e)	Consider the table	e 'Teacher' given l	pelow.		(2)
	TeacherId	Department	Periods		
	T101	SCIENCE	32		
	T102	NULL	30		
	T103	MATHEMATICS	34		
	table: (i)Select count	output of the for c(Department) for nt(*) from Teac		e basis of the above	
Ans:	i. 2 ii. 3 (1 mark for each c	orrect answer)			
(f)	Consider the Stu to	able			(2)
	ROLLNO	NAME			
	1	Ashi			

		2 Bimmi 4 Aakash	
		The following SQL queries are executed on the above table	
		<pre>INSERT INTO Stu VALUES(5,'Gagan'); COMMIT;</pre>	
		<pre>UPDATE Stu SET name='Abhi' WHERE Rollno = 4;</pre>	
		SAVEPOINT A;	
		<pre>INSERT INTO Stu VALUES(6,'Chris'); SAVEPOINT B;</pre>	
		INSERT INTO Stu VALUES(7, 'Babita');	
		SAVEPOINT C;	
		ROLLBACK TO B;	
		What will be the output of the following SQL query now:	
		SELECT * FROM Stu;	
	Ans:	Output: 1 Ashi 2 Bimmi 4 Abhi 5 Gagan 6 Chris (2 mark for correct output)	
	(g)	An attribute A of datatype varchar(20) has the value "Amit". The attribute B of datatype char(20) has value "Karanita". How many characters are occupied in attribute A? How many characters are occupied in attribute B?	(2)
	Ans:	4, 20 (1 mark for each correct answer)	
4	(a)	Following is a list of programming languages: BASIC, COBOL, C, JAVA Help Sandhya in identifying Object Oriented language(s) from the above given list.	(1)

Ans:	Java	
	(1 mark for correct identification of OOP language)	
(b)	Satyam is designing a frame in Netbeans containing list box. Help him in writing suitable Java statement to extract selected item from a given listbox named "jList1."	(*
Ans:	jList1.getSelectedIValue();	
	(1 mark for correct answer)	
(c)	What will be displayed in jTextField1 and jTextField2 after the following code is executed:	(1
	<pre>int number = 12; if (number <15)</pre>	
	<pre>jTextField1.setText(""+ number) ; number++;</pre>	
	<pre>jTextField2.setText(""+ number) ; }</pre>	
	else {	
	<pre>jTextField1.setText("number1") ; number++;</pre>	
	<pre>jTextField2.setText("number2") ; }</pre>	
Ans:	12	
	13 (½ mark for each correct answer)	
(d)	Find output of the following Java code snippet:	(2
	String City="Delhi",PinCode="110001",Str=""; City=City+" "+PinCode;	
	<pre>JOptionPane.showMessageDialog(null,City); int l=City.length();</pre>	
	<pre>int i=0; while(i<1) {</pre>	
	Str=Str+City.substring(6); i=i+15;	
	<pre>JOptionPane.showMessageDialog(null,Str);</pre>	
Ans:	Delhi 110001 110001	
	(1 mark for each correct output)	
(e)	Rewrite the following code using WHILE loop: int x=100;	(2
	for(int i=2;i<=22;i=i+4) {	

```
jTextArea1.append("\n"+(i+x));
              x=x-2;
             }
       int x=100;
Ans:
         int i = 2;
       while (i \le 22)
        jTextArea1.append("\n"+(i+x));
        x=x-2;
        i = i+4;
       (2 mark for correct code through WHILE loop)
(f)
       The following code has error(s). Rewrite the correct code underlining all the
                                                                                   (2)
       corrections made:
             int n=5, int i=1, f=1;
             do;
             {
             f=f*i;
             i++;
             while(i<=n)
             jTextField1.setText(""+f);
             int n=5,i=1,f=1;
Ans:
             do
             {
             f=f*i;
             i++;
             }while(i<=n);</pre>
             jTextField1.setText(""+f);
       (½ mark for each correct error correction)
      Mr. Pawan works as a programmer in "ABC Marketing Company" where he has
(g)
       designed a Salary generator software to generate the salary of salesman in
       which Name and Salary are entered by the user. A screenshot of the same is
       shown below:
```

Help him in writing the code to do the following:

i. After selecting appropriate Radio Button, when 'Commission' button is clicked, commission should be displayed in the respective text field as each Salesman will get a commission based on the units sold according to the following criteria:

Units Sold	Commission (in Rs)
1 to 20	500
20 to 40	1000
>40	2000

ii. When 'Gross Salary' button is clicked, Gross Salary should be calculated and displayed in the respective text field as per the given formulae:

Gross Salary= Salary+Commission

iii. After required selection of Checkbox(es), when 'Facility Charges' button is clicked, Facility charges will be displayed in the respective text field according to the following criteria:

Facility	Charges
Transport	500
Mess	2000

iv. Money will be deducted from the Gross Salary according to the facilities

1

2

2

1

opted by the employee. When 'Net Salary' button is clicked, Net Salary should be calculated and displayed in the respective text field as per the given formulae: Net Salary = Gross Salary - Deductions Ans: i. Code to calculate and display commission: int com=0; if(jRadioButton1.isSelected()) com=500;else if(jRadioButton2.isSelected()) com = 1000;else if(jRadioButton3.isSelected()) com=2000;jTextField3.setText(""+com); (½ mark for each correct if-else if statement) (½ mark for displaying commission value) ii. Code to calculate and display Gross Salary: int sal,comm; sal=Integer.parseInt(jTextField2.getText()); comm=Integer.parseInt(jTextField3.getText()); jTextField4.setText(""+(sal+comm)); (½ mark for fetching values) (½ mark for displaying Gross Salary) iii. Code to calculate and display charges for the facilities: int extra=0; if(jCheckBox1.isSelected()) extra=extra+500; if(jCheckBox2.isSelected()) extra=extra+2000; jTextField5.setText(""+extra); (½ mark for initializing variable extra with 0) (½ mark for each correct if statement) (½ mark for displaying extra facility charges) iv. Code to calculate and display the Net Salary int amt,extra; amt=Integer.parseInt(jTextField4.getText()); extra=Integer.parseInt(jTextField5.getText()); jTextField6.setText(""+(amt-extra)); (½ mark for fetching values) (½ mark for displaying Net Salary)

5	(a)	'Studen i) Which a) RollN	t' to store d h of the follo lo b) "Amit"	etails of wing can c) Name	be the attributes of Stu	ıdent table	<u>-</u> ?	2
	Ans:	ii.Prima (½ mar	rk for each co	orrect ans lo as it w ing Prima	ill be unique for each st ary key)	cudent of t	the class.	
	(b)	i) SELE ii) SE iii) S	ECT TRUNCA ELECT MID (SELECT RIG	TE (8.97 `HONEST HT (CONC	ving SQL queries: (5,2); (Y WINS',3,4); (AT(\PRACTICES','IN\) (2015-01-16');	NFORMATI	CS′),5);	2
	Ans:	i. 8.97 ii. NEST iii. ATIC iv. 16 (½ mark		rect outp	ut)			
	(c)	Table "I for (v) a	•	n below.	Write commands in SQ	L for (i) to	o (iv) and output	6
		ID	NAME	AGE	ADDRESS	SALARY	PHONE	
		1	Siddharth	25	A-4, Ashok Vihar, Delhi	62000	98110766656	
		2	Chavi	23	B-21, Model Town, Mumbai	71000	99113423989	
		3	Karan	26	KC-24, North Avenue, Bhopal	65000	98105393578	
		4	Raunaq	22	A-152, Gomti Nagar, Lucknow	89000	99101393576	
		5	Kunal	27	B-5/45, Uday Park, Delhi	80000	97653455654	
			<u> </u>	1	1	1		

	1					
		i. To display list of all emp	oloyees be	elow 25 years o	old.	
		ii. To list names and respec	tive sala	ries in descend	ling order of salary.	
		iii. To count the number of	employe	es with names	starting with 'K'	
		iv. To list names and addre address.	sses of th	nose persons w	ho have 'Delhi' in their	
		v. SELECT Name, Salary 70000;	FROM E	mp where sala	ary between 50000 and	
		Vi. SELECT Name, phone f	from emp	where phone	e like '99%';	
	Ans:	MySQL Commands:				
		i. SELECT * FROM Emp Wii. SELECT NAME, SALARY iii. SELECT COUNT(*) Fi iv. SELECT NAME, ADDRESS	FROM En	mp ORDER BY :	LIKE "K%";	
		(1 mark for each correct que	ery)			
		OUTPUT v.				
		Siddharth 62000 Karan 65000				
		vi. Chavi 99113423989 Raunaq 99101393576				
		(1 mark for each correct out				
6	(a)	Write SQL query to create a	a table 'F	Player' with the	e following structure:	(2)
		Fiel	ld	Туре	Constraint	
		pla	yerid	Integer	Primary key	
		nan	ne	Varchar(50)		
		hei	ght	Integer		
		wei	ight	Integer		
		dat	ebirth	Date		
		tea	mname	Varchar(50)		
	Ans:	CREATE TABLE Player (
		playerID integer	PRIMARY	KEY,		
		name varchar(50),				
		height integer,				
		weight integer,				
		datebirth date,				
		teamname varchar((50));			

	(½ Mark for CR (½ Mark for co (½ Mark for co (½ Mark for co	nstraint) rrect data type				
(b)	Consider the ta	ables given bel	low.			(
	Salesperson					
	Salespersor	nld Name	Age	Salary		
	1	Ajay	61	140000		
	2	Sunil	34	44000		
	5	Chris	34	40000		
	7	Amaaya	41	52000		
	Orders					
	Orderld	Salesperso	nld	Amount		
	Orderld 10	Salesperso 2		Amount 54000		
		-				
	10	2		54000		
	10 20	7		54000 18000		
	10 20 30 40 i. The Salesper KEY. The Salesper	2 7 1 5 ersonId columpersonId column	mn in	54000 18000 46000 24000 the "Sale he "Orders	esperson" table is the " table is a KEY. hary key in table 'Orders'. Give	
Ans:	10 20 30 40 i. The Salespe KEY.The Salespe ii. Can the 'Salespe iii. Can the 'Salespe ii	2 7 1 5 ersonId columpersonId columlespersonId bearsonId	mn in in in t	54000 18000 46000 24000 the "Salo he "Orders	" table is a KEY.	
Ans:	i. The Salespe KEY. The Salespe ii. Can the 'Sal reason. i. Primary, Forei ii. No as it may	2 7 1 5 ersonId columpersonId columlespersonId bearsonId	mn in in in the set a	54000 18000 46000 24000 the "Salo he "Orders	" table is a KEY.	

		-	
		i. To display SalespersonID, names, orderids and order amount of all salespersons.	
		ii. To display names ,salespersons ids and order ids of those sales persons whose names start with 'A' and sales amount is between 15000 and 20000.	
		iii. SELECT SalespersonId, name, age, amount FROM Salesperson, orders WHERE Salesperson.salespersonId= Orders.salespersonId AND AGE BETWEEN 30 AND 45;	
	Ans:	i. SELECT S.SalespersonID, Name, OrderID, Amount FROM Salesperson S, Orders O WHERE S.SalespersonID= O.SalespersonID;	
		(1 mark for correct use of select and from) (1 mark for correct use of where clause)	
		ii. SELECT Name, S. SalespersonID, OrderID FROM Salesperson S, Orders O WHERE S. SalespersonID=O. SalespersonID AND Name LIKE "A%" AND Amount BETWEEN 15000 AND 20000;	
		(1 mark for correct use of select, from and where clause) (½ mark for correct use of like operator)	
		(½ mark for correct use of between operator/checking specified amount range)	
		iii. 2 Sunil 34 54000 5 Chris 34 24000 7 Amaaya 41 18000	
		(2 mark for correct output)	
7	(a)	'Bachpan Toys' is a small company manufacturing toys. They have decided that it would be beneficial to the company to create a website which would allow customers to order toys on-line. State how 'Bachpan Toys' would benefit from the website.	(2)
	Ans:	Through online marketing (e-business) they can reach to many customers of far away places in a cost effective manner. Also there is no need to incur huge cost of setting up a shop/store to sell items.	
		(1 mark for each correct point)	
	(b)	Which of the following is/are the advantage(s) of e-Governance i) technology makes governance speedier ii) Computer literacy and basic Internet usage is not required. iii) governance is made transparent, that is most of the information is available to public.	(1)
	Ans:	i) and iii) (½ mark for each correct advantage of e-Governance)	

	1	g functions. Choose appropri Check box, List box, Combo I			
	S. No.	Control used to	Control		
	1	Enter Admission number			
	2	Select Stream			
	3	Select Subject			
	4	Clear the Form			
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Ans:	1	Enter Admission number	er	Text field List box/ (Combo box tton

(1/2 mark for each correct control)