

SET-4

## **Series BVM**

Code No. **90** 

D 11.11					Candidates must write the Code on the
Roll No.					title page of the answer-book.

- Please check that this question paper contains 11 printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains 7 questions.
- Please write down the Serial Number of the question before attempting it.
- 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

## INFORMATICS PRACTICES

Time allowed: 3 hours Maximum Marks: 70

### Instructions:

- (i) **All** questions are compulsory.
- (ii) Answer the questions after carefully reading the text.
- (iii) Q. 2 and Q.4 have to be answered with respect to Java Language.
- (iv) Q.3, Q.5 and Q.6 have to be answered with respect to MySQL.

90 P.T.O.





1.	(a)	Write	e the functions of the following pieces of network hardware :	2
		(i)	Modem	
		(ii)	Switch	
	(b)		e two ways used to make sure that the data is secure and vailable only to the intended and authorized persons in a rork.	2
	(c)	-	and TCP/IP. Write the purpose of TCP/IP in communication of on a network.	2
	(d)	Expa	and the following terms :	2
		(i)	MAC Address	
		(ii)	ODF	
	(e)	-	ain in brief any one freedom offered by Open Source Software. e one example for each of the following:	2
		(i)	An Open Source Operating System	
		(ii)	An Open Source Office Suite	
2.	(a)		e the data type of variables that should be used to store the wing in Java:	1
		(i)	Sales amount (of Sales) achieved by a Sales Person	
		(ii)	Roll Number of Student	
	(b)		nguish between isSelected() and setSelected() methods of Java the help of example.	1
	(c)		t will be displayed in jTextField1 and jTextField2 when the wing code is executed?	2
			x,y,z,t;	
		<b>x</b> =	·	
		у =		
			x+y/8; z++;	
			z++; xtField1.setText(""+z);	
		_	xtField2.setText(""+t);	
		J -2-	OR	
			~ <del>- •</del>	

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What will be displayed in jTextField1 and jTextField2 when the following code is executed?

```
int x,y,z,t;
t = 3;
z = 0;
do
{
   z = z+1;
}
   while (t>3);
jTextField1.setText(""+z);
jTextField2.setText(""+t);
```

(d) The following HTML code has error(s). Rewrite the correct code underlining corrections made.

```
     List item 1
     List item 2
     List item 3
<end>
```

OR

Expand XML. For what purpose is XML used?

(e) Write the output that will be displayed on jLabel1 and jLabel2.

```
String a,b,c,d,x;
a= "Keep";
b="your";
c="surroundings";
d="clean";
int e = b.length()/4+d.length()*2;
x=b+c+d;
x=a.concat(x);
jLabel1.setText("The value of e = "+e);
jLabel2.setText(x.toUpperCase());
```

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(f) Write the output displayed in jTextField1 and jTextField2 when the following code is executed:

```
2
```

```
char code;
int z;
z = 0;
code = 'w';
             switch (code)
             {
                        : z = z+1;
               case
                        z = z+2
                          break;
                        : z=z +3;
                          break;
               default : z = z+4;
             }
jTextField1.setText(""+z);
jTextField2.setText(""+code);
                        OR.
```

What happens if break statement is omitted with a case in a switch statement?

- **3.** (a) In CHAR(10) and VARCHAR(10), what does the number 10 indicate?
  - (b) 'Employee' table has a column named 'CITY' that stores city in which each employee resides. Write SQL query to display details of all rows except those rows that have CITY as 'DELHI' or 'MUMBAI' or 'CHANDIGARH'.

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### (c) Consider the following table:

**Table: RESULTS** 

STUDENTID	NAME	EXAMID	SCORE
10	Leena	1	20
10	Leena	2	25
11	Samarth	1	30
11	Samarth	2	35
12	Jai	1	14
12	Jai	2	15
14	Shoaib	1	30
14	Shoaib	2	12

Abhay wants to know the number of students who took the test. He writes the following SQL statement to count STUDENTID without duplicates. However the statement is not correct. Rewrite the correct statement.

SELECT DISTINCT (COUNT STUDENTID) FROM RESULTS;

```
(d)
      Aman has used the following SQL command to create a table 'stu':
      CREATE TABLE stu
            (
```

```
id INTEGER,
   name VARCHAR (100)
);
```

Then, Aman enters the following SQL statements to enter 4 rows:

```
INSERT INTO stu VALUES (1, "abc");
INSERT INTO stu VALUES (2, "abc");
INSERT INTO stu VALUES (3, "bcd");
```

Write the output that will be produced by the following SQL statement:

SELECT name, Count(\*)

FROM stu

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GROUP BY name;

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- (e) Write SQL statement to add a column "COUNTRY" with data type and size as VARCHAR(70) to the existing table named "PLAYER".Is it a DDL or DML or TCL command?
- (f) Table Student has the columns RNO and SCORE. It has 3 rows in it. Following two SQL statements were entered that produced the output (AVG(SCORE) as 45 and COUNT(SCORE) as 2):
  - (i) AVG(SCORE)
  - (ii) COUNT (SCORE)

Data in SCORE column is same in two rows. What data is present in the SCORE column in the three rows?

**4.** (a) What will displayed in jTextField1 when the following code is executed?

```
int x=3, y=6, z=0;
    if(x>3)
        z = z + 1;
    if((x<4)&&(y>6))
        z = z + 2;
    if(x>2 && y>=6)
        z = z + 3;
    if((x<3) || (y>6))
        z = z + 4;
```

jTxtFieldl.setText(""+z);

(b) Rewrite the following code after correcting errors. Underline the corrections made.

```
int a, c;
30 = c;
4 = a;
while do (c>10)
      {
        a = = a + c;
        c = c-5;
      }
```

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```
(c)
        How many times will the following loop execute?
                                                                          2
        int K = 7;
        int I = -2;
        do
        {
           I=I+2;
           K=K-1;
        }
        while (I \le K);
                                   OR
        How many times will the following loop execute?
        for (i = 2; i \le 5; i++)
        {
            z = i;
        }
  (d)
        Write the output in jTextField1 when the following code is executed:
                                                                          2
        int k, n, sum = 0;
        for (k = 2; k \le 5; k++)
            n = k - 2 * 3;
            sum = sum + n;
        jTextField1.setText(""+sum);
                                   OR
        Write the output in jTextField1 when the following code is executed:
        int k, n = 0, sum = 0;
        k = 2;
        while (k \le 5)
        {
            n = k + 4;
            sum = sum + n;
            k=k+2;
        }
        jTextField1.setText(""+n);
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                                    7
```

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Write the values of i and k after execution of the following code: (e)

```
int i,j,k;
i = 2;
j = 8;
k = 6;
do
{
    i = i + 4;
    k = k + i;
while (i < j);
```

- (f) Ms. Supriya works as a programmer in a courier company, "ABC Packaging and Shipping Service" where she has designed a software to compute charges to be paid by the customers.
  - Weight (in grams) of the parcel is entered by the user.
  - Any one Category of parcel out of A/B/C is chosen by the user.
  - Based on the Category selected, Transportation Charges (per gram) are computed according to the following criterion:

Category	Transportation Charges Per gram
A	₹ 2.00
В	₹ 3.00
С	₹ 5.00

- Insurance Charges is a flat ₹ 80.00 per parcel.
- **Transportation** Charges **Transportation** = Charges Per gram \* Weight in grams (of parcel) entered by the user.
- Total Charges = Total Transportation Charges + **Insurance Charges.**

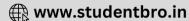
Help Ms. Priya in writing the code to do the following:

- When Calculate Charges button is clicked, Insurance (i) Charges, Transportation Charges per gram, Transportation Charges and Total Charges should be calculated and displayed in the respective text fields.
- (ii) When 'CLEAR' button is clicked, all the textfields and radiobuttons should be cleared.
- (iii) When **Exit** button is clicked, the application should close.

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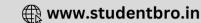
5. Consider the following table 'Transporter' that stores the order details about items to be transported. Write SQL commands for the statements (i) to (viii) and write output for SQL queries (ix) and (x).

### **Table: TRANSPORTER**

			E 181 OIUI EIU		
ORDERNO	DRIVERNAME	DRIVERGRADE	ITEM	TRAVELDATE	DESTINATION
10012	RAM YADAV	A	TELEVISION	2019-04-19	MUMBAI
10014	SOMNATH SINGH		FURNITURE	2019-01-12	PUNE
10016	MOHAN VERMA	В	WASHING MACHINE	2019-06-06	LUCKNOW
10018	RISHI SINGH	A	REFRIGERATOR	2019-04-07	MUMBAI
10019	RADHE MOHAN		TELEVISION	2019-05-30	UDAIPUR
10020	BISHEN PRATAP	В	REFRIGERATOR	2019-05-02	MUMBAI
10021	RAM		TELEVISION	2019-05-03	PUNE

- (i) To display names of drivers and destination city where TELEVISION is being transported.
- (ii) To display driver names and destinations where destination is not MUMBAI.
- (iii) To display the names of destination cities where items are being transported. There should be no duplicate values.
- (iv) To display details of rows that have some value in DRIVERGRADE column.
- (v) To display names of drivers, names of items and travel dates for those items that are being transported on or before 1st April 2019.
- (vi) To display the number of drivers who have 'MOHAN' anywhere in their names.
- (vii) To display the names of drivers, item names and travel dates in alphabetic (ascending) order of driver names.
- (viii) To display names of drivers whose names are three characters long.
- (ix) SELECT ITEM, COUNT(\*) FROM TRANSPORTER
   GROUP BY ITEM
   HAVING COUNT(\*) >1;
- (x) SELECT MAX(TRAVELDATE) FROM TRANSPORTER WHERE DRIVERGRADE = 'A';

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(a) Mr. Sen has to create a table named 'Employee' with Columns to store EmpID, Name, Designation, Age and Salary. EmpID is the Primary key and Name cannot be NULL.

Some of the rows that will be inserted are shown below.

101	Smita Kumar	Secretary	28	39500.00
102	Mani Scott	Programmer	32	45300.00
103	Firdaus Ali	Programmer II	45	67500.00

Write SQL query to create the above table with appropriate data types and sizes of columns.

Ms. Rajshri is the Class Teacher of Class XII. She wants to create a table named 'Student' to store marks in different subjects of her class. Identify any 4 columns for the table along with their suitable data types.

(b) Consider the following tables PARTICIPANT and ACTIVITY and answer the questions that follow:

Table: PARTICIPANT

ADMNO	NAME	HOUSE	ACTIVITYCODE
6473	Kapil Shah	Gandhi	<b>A</b> 105
7134	Joy Mathew	Bose	<b>A</b> 101
8786	Saba Arora	Gandhi	<b>A</b> 102
6477	Kapil Shah	Bose	<b>A</b> 101
7658	Faizal Ahmed	Bhagat	<b>A</b> 104

Table: ACTIVITY

ACTIVITYCODE	ACTIVITYNAME	POINTS
<b>A</b> 101	Running	200
<b>A</b> 102	Hopping bag	300
<b>A</b> 103	Skipping	200
<b>A</b> 104	Bean bag	250
<b>A</b> 105	Obstacle	350

When the table "PARTICIPANT" was first created, the column 'NAME' was planned as the Primary key by the Programmer. Later a field ADMNO had to be set up as Primary key. Explain the reason.

Identify data type and size to be used for column ACTIVITYCODE in table ACTIVITY.

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- (c) With reference to the above given tables (in Q6 b), write commands in **SQL** for (i) to (iii).
  - (i) To display Activity Code along with number of participants participating in each activity (Activity Code wise) from the table Participant.

## OR

How many rows will be there in Cartesian product of the two tables in consideration here?

- (ii) To display Names of Participants, Activity Code, Activity Name in alphabetic ascending order of names of participants.
- (iii) To display Names of Participants along with Activity Codes and Activity Names for only those participants who are taking part in Activities that have 'bag' in their Activity Names and Points of activity are above 250.
- **7.** (a) How does e-governance help in increasing Accountability (answerability of the Government to the people)? Write 2 points.
  - (b) Write 2 precautions to be followed while doing Online shopping.
  - (c) Ms. Deepika of ABC School is creating a form for a Summer Camp application. Help her to choose the most appropriate controls from ListBox, ComboBox, TextField, TextArea, RadioButton, CheckBox, Label and Command Button for the following entries:

S.No.	Function
1.	Let the user enter <b>NAME</b> of student
2.	Let the user enter MOBILE NUMBER of student
3.	Let the user choose one ${\tt TSHIRT}$ size out of the categories : XL / L / M / S
4.	Let the user select Activities out of Rock Climbing/ Mountain Biking/Zip Lining/Night Hike. More than one activity may be chosen.

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# Strictly Confidential: (For Internal and Restricted use only) Senior School Certificate Examination

### March 2019

Marking Scheme - INFORMATICS PRACTICES (SUBJECT CODE 065) (SERIES: BVM PAPER CODE - 90)

### General Instructions:

- You are aware that evaluation is the most important process in the actual and correct assessment of the candidates. A small mistake in evaluation may lead to serious problems which may affect the future of the candidates, education system and the teaching profession. To avoid mistakes, it is requested that before starting evaluation, you must read and understand the spot evaluation guidelines carefully. Evaluation is a 10-12 days mission for all of us. Hence, it is necessary that you put in your best efforts in this process.
- 2. Evaluation is to be done as per instructions provided in the Marking Scheme. It should not be done according to one's own interpretation or any other consideration. Marking Scheme should be strictly adhered to and religiously followed. However, while evaluating, answers which are based on the latest information or knowledge and/or are innovative, they may be assessed for their correctness otherwise and marks be awarded to them.

The Head-Examiner must go through the first five answer books evaluated by each evaluator on the

- first day, to ensure that evaluation has been carried out as per the instructions given in the Marking Scheme. The remaining answer books meant for evaluation shall be given only after ensuring that there is no significant variation in the marking of individual evaluators. 4. If a question has parts, please award marks on the right-hand side for each part. Marks awarded for different parts of the question should then be totaled up and written in the left-hand margin and
- 5. If a question does not have any parts, marks must be awarded in the left hand margin and encircled. 6. If a student has attempted an extra question, answer of the question deserving more marks should be
- retained and the other answer scored out.
- 7. No marks to be deducted for the cumulative effect of an error. It should be penalized only once.
- A full scale of marks 0-70 has to be used. Please do not hesitate to award full marks if the answer deserves it.
- evaluate 25 answer books per day. 10. Ensure that you do not make the following common types of errors committed by the Examiner in the

Every examiner has to necessarily do evaluation work for full working hours i.e. 8 hours every day and

- past:a. Leaving the answer or part thereof unassessed in an answer book.
- b. Giving more marks for an answer than assigned to it.
- c. Wrong transfer of marks from the inside pages of the answer book to the title page.
- d. Wrong question wise totaling on the title page.
- e. Wrong totaling of marks of the two columns on the title page.
- f. Wrong grand total.
- g. Marks in words and figures not tallying.
- h. Wrong transfer of marks from the answer book to online award list.
- Answers marked as correct, but marks not awarded. (Ensure that the right tick mark is correctly and clearly indicated. It should merely be a line. Same is with the X for incorrect answer.)
- Half or a part of answer marked correct and the rest as wrong, but no marks awarded.
- 11. While evaluating the answer books if the answer is found to be totally incorrect, it should be marked as (X) and awarded zero (0) Marks.
- 12. Any unassessed portion, non-carrying over of marks to the title page, or totaling error detected by the candidate shall damage the prestige of all the personnel engaged in the evaluation work as also of the Board. Hence, in order to uphold the prestige of all concerned, it is again reiterated that the
- instructions be followed meticulously and judiciously. 13. The Examiners should acquaint themselves with the guidelines given in the Guidelines for spot Evaluation before starting the actual evaluation.

- 14. Every Examiner shall also ensure that all the answers are evaluated, marks carried over to the title page, correctly totaled and written in figures and words. 15. The Board permits candidates to obtain a photocopy of the Answer Book on request in an RTI application and also separately as a part of the re-evaluation process on payment of the processing charges. Specific Instructions: [In Java ]
- Ignore case sensitivity for variable / identifiers
- [In SQL related questions ] Single quote ' ' as well as double quote " " should be accepted for text/character/date entries. For example: "AMAR" and 'amar' both are acceptable.
- Date entries should be accepted in all formats. For example: 'YYYY-MM-DD', 'YY-MM-DD', 'DD-Mon-YY', "DD/MM/YY", 'DD/MM/YY', "MM/DD/YY", 'MM/DD/YY' and {MM/DD/YY} are correct.
- Semicolon should be ignored for terminating the SQL statements.
- Ignore headers in output questions.

(c)

(d)

Expand the following terms:

(i) MAC Address

(ii) ODF

- Ignore case sensitivity for commands. 1 (a) 2 Write the functions of the following pieces of network hardware:
- (i) Modem (ii) Switch Ans Modem - It converts analog signals to digital signals and vice-versa. Switch - It connects several nodes to form a network and directs the received information only to the intended node. (1 mark for each part)
- Note: Full 1 mark to be awarded if only expansion of MODEM (Modulator Demodulator) is mentioned. Write two ways used to make sure that the data is secure and is available only to 2 (b) the intended and authorized persons in a network.
  - (i) Assigning login name and password Ans (ii) Installing firewall (iii) Assigning appropriate file permissions (1 mark each for mentioning any two correct ways)
- Note: Any other software or hardware methods ensuring network security to be accepted

Expand TCP/IP. Write the purpose of TCP/IP in communication of data on a

- network. Transmission control Protocol/Internet Protocol. Ans TCP/IP controls and manages data transmission over networks.
- ( $\frac{1}{2}$  mark for correct expansion of TCP) (1/2 mark for correct expansion of IP) (1 mark for purpose of TCP/IP)
- (i) MAC address-Media Access Control address Ans (ii) ODF-Open document Format **CLICK HERE** Get More Learning Materials Here:

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	(e)		2
		example for each of the following:	
		(i) An Open Source Operating System	
		(ii) An Open Source Office Suite	
	Ans	, , , , , , , , , , , , , , , , , , ,	
		<ul><li>Freedom to modify software</li><li>Freedom to distribute copies of the software</li></ul>	
		Treedom to distribute copies of the software	
		Examples of Open Source Operating System:	
		BOSS ,Linux, Android,Ubuntu , FreeBSD, OpenBSD, NetBSD, DragonFly BSD,	
		OpenSolaris, illumos, AuroraUX, Darwin, OpenDarwin, MINIX, FreeRTOS, FreeDOS,	
		Haiku, House KolibriOS, MenuetOS, GNU, ReactOS, L4, Fiasco, Pistachio, Plan 9,	
		AROS, Syllable, Inferno, NuttX, eCos, RTEMS, HelenOS, E/OS, TempleOS, Kali	
		Linux, Google Chrome OS	
		Example of Open Source Office Suite:	
		Open Office, Neo Office, LibreOffice, Adobe Open Office (Google Docs, Sheets, Slides)	
		(1 mark for mentioning for any one freedom )	
		(½ mark for mentioning any one correct example of Open Source Operating System)	
		(½ mark for mentioning any one correct example of Open Source Office suite)	
2	(a)	Write the data type of variables that should be used to store the following in	1
		Java : (i) Sales amount (of Sales) achieved by a Sales Person	
		(ii) Roll Number of Student	
	Ans	i) float /double / int / long	
	11110	ii) int / byte / short / long	
		(½ mark each for both parts )	
		Note: String data type to be accepted for Roll number of student	
	(1.)		$\Box$
	(b)	Distinguish between isSelected() and setSelected() methods of Java with the help	1
	Ans	of example.  Example:	
	AIIS	rb1.setSelected(true);	
		boolean b=rb1.isSelected();	
		Difference:	
		isSelected(): Returns true if the component is checked otherwise returns	
		false	
		setSelected(): Checks or unchecks component according to boolean value	
		true or false.	
		(1 mark for correct difference)	
		Note: Full 1 mark to be awarded if either example or explanation is correct.	
	(c)	What will be displayed in jTextField1 and jTextField2 when the following code is	2
	, ,	executed?	
		int x,y,z,t;	
		x=3;	
		y=8;	
			1
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		<pre>jTextField1.setText(""+z);</pre>	
		<pre>jTextField2.setText(""+t);</pre>	
	Ans	The content of jTextField1 is 5	
		The content of jTextField2 is 4	
		(1 mark each for each correct output)	
		OR	
		What will be displayed in jTextField1 and jTextField2 when the following code is executed?	
		<pre>int x,y,z,t; t=3;</pre>	
		z=0;	
		do	
		{	
		z=z+1;	
		} -:b:1-(4>2).	
		<pre>while(t&gt;3); jTextField1.setText(""+z);</pre>	
		<pre>jTextField1.setText(""+t);</pre>	
	Δns	The content of jTextField1 is 1	
	Alla	The content of jTextField1 is 3	
		(1 mark each for each correct output)	
	(d)	The following HTML code has error(s). Rewrite the correct code underlining	2
	(u)	corrections made.	
		<pre><ol begin="4" type="A"></ol></pre>	
		<li>List item 1</li>	
		<li>List item 2</li>	
		<li>List item 3</li>	
		<end></end>	
	Ans	<pre><ol start="4" type="A"></ol></pre>	
		<li>List item 1 </li>	
		<li>List item 2 </li>	
		<pre><li>List item 3 </li></pre>	
		< <u>/ol</u> >	
		OR	
		<pre><ol start="4" type="A"></ol></pre>	
		<pre><li>List item 1</li></pre>	
		<li>List item 2</li>	
		<li>List item 3</li>	
		< <u>/ol</u> >	
		1 mark each for identifying and correcting both errors	
		Note: Only 1 mark to be awarded if errors are only identified	
		OR	
		Expand XML. For what purpose is XML used?	
	Anc		
	Ans	The stands for extensions marriage anguage.	
		Purpose: XML is used to describe data	
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		(1 mark for writing the expanded form)	
		(1 mark for correct purpose)	
	(e)	Write the output that will be displayed on jLabel1 and jLabel2.	2
		String a,b,c,d,x;	
		a="Keep";	
		b="your";	
		c="surroundings";	
		<pre>d="clean"; int e = b.length()/4+d.length()*2;</pre>	
		x=b+c+d;	
		x=a.concat(x);	
		<pre>jLabel1.setText("The value of e = "+e);</pre>	
		jLabel2.setText(x.toUpperCase());	$\square$
	Ans	jLabel1 - The value of e = 11	
$\vdash \vdash$	$\dashv$	jLabel2 - KEEPYOURSURROUNDINGSCLEAN	H
		(1 mark each for each correct output)	$\square$
	(f)	Write the output displayed in jTextField1 and jTextFiled2 when the following	2
		code is executed:	
		char code;	
		int z;	
		z = 0;	
		code = 'w';	
		switch(code)	
		<pre>{   case 'w': z = z+1;</pre>	
		case 'r': $z = z+2$ ;	
		break;	
		case 's': z=z +3;	
		break;	
		<pre>default : z = z+4;</pre>	
		<pre>} jTextField1.setText(""+z);</pre>	
		<pre>jTextField1.setText(""+code);</pre>	
$\dashv$	Ans		H
	د،	The content of jTextField1 is 3 The content of jTextField2 is w	
$\dashv$		(1 mark each for each correct output)	$\Box$
_			$\square$
_	$\dashv$	What happens if break statement is emitted with a case in a switch statement?	H
	Ans	What happens if break statement is omitted with a case in a switch statement?  If break is emitted control moves to the payt case / statement	H
	Ans		$\vdash \vdash$
		(2 marks for correct answer) Note: Full 2 marks to be awarded if explained with an example or Fall through is	
		mentioned .	
3	(a)	In CHAR (10) and VARCHAR (10), what does the number 10 indicate?	1
	Ans		
		OR	
		It indicates the Size of the column.	
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(b	employee resides.	Write SQL query to di	CITY' that stores city isplay details of all ro	ows except those	1					
		rows that have CITY as 'DELHI' or 'MUMBAI' or 'CHANDIGARH'.								
An		SELECT * FROM Employee WHERE CITY NOT IN ('DELHI', 'MUMBAI', 'CHANDIGARH');								
	OR									
	WHERE CITY <>	SELECT * FROM Employee WHERE CITY <> 'DELHI' AND CITY <> 'MUMBAI' AND CITY <> 'CHANDIGARH';								
	OR									
	SELECT * FROM I	Employee								
	WHERE NOT CITY	IN ('DELHI','M	UMBAI','CHANDIG	ARH');						
	(½ mark for Select)									
	, ,	•	) , != to be considered	l instead of <> )						
(c)	) Consider the follow	ing table :			2					
	Table: RESULTS	<b>3</b> ·								
	STUDENTID	NAME	EXAMID	SCORE						
	10	Leena	1	20						
	10	Leena	2	25						
	11	Samarth	1	30						
	11	Samarth	2	35						
	12	Jai	1	14						
	12	Jai	2	15						
	14	Shoaib	1	30						
	14	Shoaib	2	12						
	following SQL state statement is not co	Abhay wants to know the number of students who took the test. He writes the following SQL statement to count STUDENTID without duplicates. However the statement is not correct. Rewrite the correct statement.  SELECT DISTINCT (COUNT STUDENTID) FROM RESULTS;								
An	s SELECT COUNT (I	DISTINCT STUDENT	ID) FROM RESULTS	S;						
	( 1 mark for the cor	rect statement)								
(d	CREATE TABLE stu				2					
	id INTEGER,									
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	Then,Aman enters the following SQL statements to enter 4 rows:  INSERT INTO stu VALUES(1,"abc");  INSERT INTO stu VALUES(2,"abc");  INSERT INTO stu VALUES(3,"bcd");  Write the output that will be produced by the following SQL statement:  SELECT name, Count(*)  FROM stu  GROUP BY name;		
Ans			
	NAME	COUNT (*)	
	abc	2	
	bcd	1	
	(1 mark each for line of output)		
	(1 mark each for line of output)  Note: Full 2 marks to be awarded if question is attempted or error mentioned		
(e)	Write SQL command to add a column "COUNTRY" with data type and size as VARCHAR(70) to the existing table named "PLAYER". Is it a DDL or DML or TCL command?		
Ans	ALTER TABLE PLAYER ADD COUNTRY It is a DDL command	VARCHAR (70);	
	(½ mark for ALTER TABLE)  (½ mark for ADD)  (1 mark for identifying DDL command)		
(f)	Table student has the columns RNO and SCORE. It has 3 rows in it. Following two SQL statements were entered that produced the output (AVG(SCORE) as 45 and COUNT(SCORE) as 2):  (i) AVG(SCORE)  (ii) COUNT(SCORE)  Data in SCORE column is same in two rows. What data is present in the SCORE column in the three rows?		2
Ans	45 45 NULL		
	(1 mark for mentioning 45 in rows ) (1 mark for mentioning NULL) Note: 1 mark to be awarded if "two SQL statements" not provided in question is mentioned.		

```
What will displayed in jTextField1 when the following code is executed?
4 (a)
      int x=3, y=6, z=0;
      if(x>3)
         z = z + 1;
      if((x<4) && (y>6))
         z = z + 2;
      if(x>2 \&\& y>=6)
         z = z + 3;
      if((x<3)||(y>6))
         z = z + 4;
      jTxtField1.setText(""+z);
 Ans
      (1 mark for correct answer)
     Note: Full 1 mark to be awarded if error "jTextField1 is not present in the
     given code" is mentioned.
  (b)
                                                                                 2
     Rewrite the following code after correcting errors. Underline the corrections
     made.
      int a, c;
      30 = c;
      4 = a;
      while do(c>10)
        a = = a + c;
        c = c - 5;
 Ans
     int a, c;
      c = 30;
      a=4;
      do
        a = a + c;
        c = c - 5;
      } while (c>10);
      OR
      int a, c;
      c = 30;
      a = 4;
      while (c>10)
        a = a + c;
        c = c - 5;
      }
     (1/2 mark each for identifying and correcting four errors)
      (Nota . 1 mark for only identification of 1 arrors)
```

```
How many times will the following loop execute?
      int K = 7;
      int I = -2;
      do
      {
           I=I+2;
           K=K-1;
      while(I<=K);
  Ans
      4 times
      (2 marks for correct answer)
                                          OR
       How many times will the following loop execute?
       for (i=2; i <=5; i++)
            z = i;
  Ans
      4 times
      (2 marks for correct answer)
      Note: Only 1 mark for mentioning data type of variable not provided
                                                                                 2
  (d)
      Write the output in jTextField1 when the following code is executed:
       int k, n, sum=0;
       for (k = 2; k \le 5; k++)
            n = k - 2 * 3;
            sum = sum + n;
       jTextField1.setText(""+sum);
  Ans
       -10
       (2 marks for correct answer)
                                          OR
       Write the output in jTextField1 when the following code is executed:
       int k, n=0, sum=0;
       k = 2;
       while (k \le 5)
            n = k + 4;
            sum = sum + n;
            k = k + 2;
       jTextField1.setText(""+n);
  Ans
       8
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```

Write the values of i and k after	the execution of the following code:	2
<pre>int i, j, k; i = 2; j = 8; k = 6; do {    i = i + 4;    k = k + i; } while(i<j); i="10&lt;/pre"></j);></pre>		
k=22		
(1 mark for each correct value	)	
Shipping Service" where she has paid by the customers.  • Weight(in grams) of the path of the path of the Category of parce.  • Based on the Category of the C	s designed a software to compute charges to be arcel is entered by the user. I out of A/B/C is chosen by the user. Selected, Transportation Charges(per gram) are	
Category	Transportation Charges Per gram	
A	₹ 2.00	
В	₹ 3.00	
С	₹ 5.00	
<ul> <li>Total Transportation Charin grams (of parcel) enter</li> <li>Total Charges = Total Tra</li> <li>Help Ms. Priya in writing the code</li> <li>(i) When Calculate Charges butt</li> <li>Charges per gram, Total Trans</li> </ul>	rges= Transportation Charges Per gram * Weight red by the user. nsportation Charges + Insurance Charges. e to do the following: on is clicked, Insurance Charges, Transportation portation Charges and Total Charges should be	
<pre>double wt, tc=0.0, ic=0.0 wt=Double.parseDouble(jTe if(jRadioButton1.isSelect     tc=2.00; else if(jRadioButton2.isS     tc=3.00; else     tc=5.00; jTextField2.setText(""+tc ic=80.00;</pre>	<pre>p,ttc=0.0, totc=0.0; extField1.getText()); ed()) selected())</pre>	
	<pre>int i, j, k; i = 2; j = 8; k = 6; do {    i = i + 4;    k = k + i; }    while(i<j); (1="" (of="" a="" according="" any="" as="" b="" based="" by="" c="" category="" charg<="" charges="" correct="" customers.="" each="" enter="" flat="" for="" gram,="" grams="" grams)="" has="" i="10" in="" insurance="" is="" k="22" mark="" ms.="" of="" on="" one="" paid="" parce="" parcel)="" per="" program="" scomputed="" service"="" she="" shipping="" supriya="" td="" the="" to="" total="" transportation="" value)="" weight(in="" where="" works="" •=""><td>i = 2; j = 8; k = 6; do { i = i + 4; k = k + i; } while (i<j); "abc="" (1="" (i)="" (jradiobutton1.isselected())="" (jradiobutton2.isselected())="" (of="" *="" +="" 2.00="" 3.00="" 5.00="" 80.00="" a="" according="" and="" any="" are="" as="" b="" based="" be="" button="" by="" c="" calculate="" calculated="" category="" charges="" charges(per="" charges,="" charges.="" chosen="" clicked,="" code="" company,="" compute="" computed="" correct="" courier="" criterion:="" customers.="" designed="" displayed="" do="" double="" each="" else="" entered="" fields.="" flat="" following="" following:="" for="" gram="" gram)="" gram,="" grams="" grams)="" has="" help="" i="10" ic="80.00;&lt;/td" if="" in="" insurance="" is="" itc="0.0," jtextfield2.settext(""+tc);="" jtextfield3.settext(""+tc);="" k="22" mark="" ms.="" of="" on="" one="" out="" packaging="" paid="" parcel="" parcel)="" parsedouble(jtextfield1.gettext());="" per="" priya="" programmer="" respective="" selected,="" service"="" she="" shipping="" should="" software="" supriya="" tc="5.00;" tct="0.0;" text="" the="" to="" total="" transportation="" user.="" value)="" weight="" weight(in="" when="" where="" works="" writing="" wt="Double" wt,="" •="" ₹=""></j);></td></j);></pre>	i = 2; j = 8; k = 6; do { i = i + 4; k = k + i; } while (i <j); "abc="" (1="" (i)="" (jradiobutton1.isselected())="" (jradiobutton2.isselected())="" (of="" *="" +="" 2.00="" 3.00="" 5.00="" 80.00="" a="" according="" and="" any="" are="" as="" b="" based="" be="" button="" by="" c="" calculate="" calculated="" category="" charges="" charges(per="" charges,="" charges.="" chosen="" clicked,="" code="" company,="" compute="" computed="" correct="" courier="" criterion:="" customers.="" designed="" displayed="" do="" double="" each="" else="" entered="" fields.="" flat="" following="" following:="" for="" gram="" gram)="" gram,="" grams="" grams)="" has="" help="" i="10" ic="80.00;&lt;/td" if="" in="" insurance="" is="" itc="0.0," jtextfield2.settext(""+tc);="" jtextfield3.settext(""+tc);="" k="22" mark="" ms.="" of="" on="" one="" out="" packaging="" paid="" parcel="" parcel)="" parsedouble(jtextfield1.gettext());="" per="" priya="" programmer="" respective="" selected,="" service"="" she="" shipping="" should="" software="" supriya="" tc="5.00;" tct="0.0;" text="" the="" to="" total="" transportation="" user.="" value)="" weight="" weight(in="" when="" where="" works="" writing="" wt="Double" wt,="" •="" ₹=""></j);>

		totc=ttc						
		(½ mark f (½ mark f Note: • 2 Mark transp	for assigning corfor assigning corfor calculating to for calculating to for displaying to for for displaying to for for displaying to for for displaying to for for displaying	f if statement rect value to rect value to otal transport otal charges) surance charg tal transport tal charges) syntactically insurance ch	t for Radiobutton/C variable tc ) variable ic) tation charges) ses , transportation	ondition on charges,	total	
	` '	When 'CL cleared.	EAR' button is	clicked, all	the textfields an	d radiobutto	ons should be	1
	Ans	jTextFi jTextFi jTextFi jTextFi jRadioB jRadioB oR	eld1.setTexteld2.setTexteld3.setTexteld4.setTexteld5.setTexteld5.setTexteld5.setTexteld5.setSetton1.setSetton2.setSetton3.setSetton3.setSetton3.setSetfor clearing any	t(""); t(""); t(""); t(""); elected(fale)))	lse); lse);			
			for clearing rac LL in place of ""		cepted for clearing	text field.		
	(iii)	When 'Ex	it' button is c	licked the ap	plication should cl	ose.		1
	Ans	System.ex	xit(0);					
		(1 mark fo	or correct answe	er)				
5.		items to I	•	Write SQL cories (ix) and	rter' that stores thommands for the st (x) FRANSPORTER			
1		ORDERNO	DRIVERNAME	DRIVERGRADE	ITEM	TRAVELDATE	DESTINATION	
		10012	RAM YADAV	А	TELEVISION	2019-04-19		
		10014	SOMNATH SINGH		FURNITURE	2019-01-12		
		10016	MOHAN VERMA	В	WASHING MACHINE	2019-06-06		
		10018	RISHI SINGH	А	REFRIGERATOR	2019-04-07		
		10019	RADHE MOHAN		TELEVISION	2019-05-30	UDAIPUR	
		10020	BISHEN PRATAP	В	REFRIGERATOR	2019-05-02		
		110021	IRAM		TFI FVISION	2019-05-03	IPLINF	
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, ,		
(i)	To display names of drivers and destination city where TELEVISION is being transported.	1
Ans	SELECT DRIVERNAME, DESTINATION FROM TRANSPORTER	
	WHERE ITEM="TELEVISION";	
	(½ mark for SELECT) (½ mark for WHERE)	
(ii)	To display driver names and destinations where destination is not MUMBAI.	1
Ans	SELECT DRIVERNAME, DESTINATION FROM TRANSPORTER WHERE DESTINATION <> "MUMBAI";	
	OR  SELECT DRIVERNAME, DESTINATION  FROM TRANSPORTER WHERE DESTINATION != "MUMBAI";	
	OR	
	SELECT DRIVERNAME, DESTINATION FROM TRANSPORTER WHERE DESTINATION NOT IN ("MUMBAI");	
	OR	
	SELECT DRIVERNAME, DESTINATION FROM TRANSPORTER WHERE NOT DESTINATION = "MUMBAI";	
	(½ mark for SELECT) (½ mark for WHERE)	
(iii)	To display the names of destination cities where items are being transported. There should be no duplicate values.	1
Ans	SELECT DISTINCT (DESTINATION) FROM TRANSPORTER;	
	(½ mark for SELECT) (½ mark for DISTINCT)	
(iv)	To display details of rows that have some value in DRIVERGRADE column.	1
Ans	SELECT * FROM TRANSPORTER WHERE DRIVERGRADE IS NOT NULL;	
	(½ mark for SELECT) (½ mark for WHERE)	
(v)	To display names of drivers, names of items and travel dates for those items that are being transported on or before 1st April 2019.	1
Ans	SELECT DRIVERNAME, ITEM, TRAVELDATE FROM TRANSPORTER WHERE TRAVELDATE <= "2019-04-01";	
	(½ mark for SELECT) (½ mark for WHERE)	
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ļ	1		
	vi)	To display the number of drivers who have 'MOHAN' anywhere in their names.	1
	Ans	·	
		FROM TRANSPORTER	
		WHERE DRIVERNAME LIKE "%MOHAN%";	
		(½ mark for SELECT)	
		(½ mark for WHERE)	
	vii)	To display the names of drivers, item names and travel dates in	1
	,	To display the names of drivers, item names and travel dates in alphabetic(ascending) order of driver names.	
	Ans	SELECT DRIVERNAME, ITEM, TRAVELDATE	
		FROM TRANSPORTER ORDER BY DRIVERNAME; [OR ORDER BY DRIVERNAME ASC;]	
		·	
		(½ mark for SELECT) (½ mark for ORDER BY)	
		(12 mark joi okoek bi)	
	viii)	To display names of drivers whose names are three characters long	1
	Ans		$\square$
	AHS	SELECT DRIVERS	
		FROM TRANSPORTER	
		WHERE DRIVERNAME LIKE "";	
		OR	
		SELECT DRIVERNAME	
		FROM TRANSPORTER	
		WHERE LENGTH (DRIVERNAME) = 3 ;	
		(½ mark for SELECT)	
		(½ mark for WHERE)	
	ix)	SELECT ITEM, COUNT (*) FROM TRANSPORTER	
	124)	GROUP BY ITEM	1
		HAVING COUNT(*) > 1;	
	Ans	ITEM COUNT (*)	
		TELEVISION 3	
		REFRIGERATOR 2	
		(1/2 mark for each correct line of output)	
		(½ mark for each correct line of output)	
	(x)	SELECT MAX (TRAVELDATE)	1
		FROM TRANSPORTER WHERE DRIVERGRADE='A';	
	Δns	MAX (TRAVELDATE)	
	VI 13	2019-04-19	
		(1 mark for correct answer)	$\square$
		<u> </u>	
6	(a)	Mr. Sen has to create a table named 'Employee' with Columns to store EmpID,	
		Name ,Designation, Age and Salary.EmpID is the Primary Key and Name cannot be	
		NULL. Some of the rows that will be inserted are shown below .	
		101 Smita Kumar Secretary 28 39500.00	
		102 Mani Scott Programmer 32 45300.00	
		103 Firdaus Ali Programmer II 45 67500.00	
			!
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	of columns	create the above	table with appr	opriate	e data types and size	?S
Ans	Name VA Designation VA Age IN	NTEGER PRIMARY ARCHAR(20) NOT	•			
Ans	(½ mark for CREAT (½ mark for PRIMA (½ mark for NOT N (½ mark for Colum Note: INT in place of INT CHAR in place of V FLOAT in place of Any appropriate si	RY KEY constrain IULL constraint) In Names with Dat EGER to be accep IARCHAR to be acc DECIMAL to be acc	ta Types) oted cepted cepted			
			OR			
	-	narks in different s	subjects of her c		create a table name dentify any 4 columr	
Ans	Name CHAR / VARCHAR Mark1 DECIMAL / FLOAT / INT / INTEGER					
	Mark1 Mark2					
	Mark2 (½ mark for each (1 mark if four cold Note: Any other o	DECIMAL / F column name and umn names are m	FLOAT / INT / IN data type) entioned witho	ITEGER ut men	ntioning data type)	
(b)	Mark2 (½ mark for each (1 mark if four cold Note: Any other o Column size	DECIMAL / For column name and umn names are mappropriate column in many be ignored powing tables PAR Dow:	FLOAT / INT / IN data type) entioned witho nn names to be	ut men accept	ntioning data type)	
(b)	Mark2 (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo	DECIMAL / For column name and umn names are mappropriate column in many be ignored powing tables PAR Dow:	TLOAT / INT / INT data type) entioned without to be an names to be	ut men accept	ntioning data type) ted	2
(b)	Mark2 (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo	DECIMAL / For column name and umn names are mappropriate columne may be ignored owing tables PAR ow:  Table:	TLOAT / INT	ut men accept	ntioning data type) ted TY and answer the	2.
(b)	Mark2 (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo	DECIMAL / For column name and umn names are mappropriate columns are may be ignored owing tables PAR ow:  Table:	TLOAT / INT	ut men accept	etioning data type) ted  TY and answer the	2
(b)	Mark2 (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO 6473	DECIMAL / For column name and aumn names are man appropriate column e may be ignored bowing tables PAR bow:  Table:  NAME  Kapil Shah	TLOAT / INT   INT / INT	ut men accept	ationing data type) ted  TY and answer the  ACTIVITYCODE  A105	<u>.</u>
(b)	Mark2  (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO  6473  7134	DECIMAL / For column name and the column names are many propriete columns are many be ignored by the columns are many b	TLOAT / INT	ut men accept	TY and answer the  ACTIVITYCODE  A105  A101	2
(b)	Mark2 (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO 6473 7134 8786	DECIMAL / For column name and aumn names are mappropriate columne may be ignored by the bown of the column tables PAR by	TLOAT / INT	ut men accept	TY and answer the  ACTIVITYCODE  A105  A101  A102	<b>.</b>
(b)	Mark2  (½ mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO  6473  7134  8786  6477	DECIMAL / For column name and the column names are many properities are many be ignored by the column tables PAR by:  Table:  NAME  Kapil Shah  Joy Mathew  Saba Arora  Kapil Shah  Faizal Ahmed	TLOAT / INT	ut men accept	ACTIVITYCODE A105 A101 A102 A101	
(b)	Mark2  (½ mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO  6473  7134  8786  6477	DECIMAL / For column name and the column names are many properities are many be ignored by the column tables PAR by:  Table:  NAME  Kapil Shah  Joy Mathew  Saba Arora  Kapil Shah  Faizal Ahmed	TLOAT / INT	ut men accept	ACTIVITYCODE A101 A102 A104	<u> </u>
(b)	Mark2  (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follor questions that follor  ADMNO 6473 7134 8786 6477 7658	DECIMAL / For column name and the column names are many properiate columns are many be ignored by the columns and the columns are many be ignored by the columns are many by the columns are	TLOAT / INT	ut men accept	ACTIVITYCODE A101 A102 A104	•
(b)	Mark2  (1/2 mark for each (1 mark if four cold Note: Any other of Column size  Consider the follor questions that follor  ADMNO 6473 7134 8786 6477 7658  ACTIVITYCODE	DECIMAL / For column name and sumn names are many propriate columner may be ignored by the column tables PAR by:  Table:  NAME  Kapil Shah  Joy Mathew  Saba Arora  Kapil Shah  Faizal Ahmed  Table  ACTIVITYNAME	TLOAT / INT	ut men accept	ACTIVITYCODE A101 A102 A101 A104	
(b)	Mark2  (½ mark for each (1 mark if four cold Note: Any other of Column size  Consider the follo questions that follo  ADMNO 6473 7134 8786 6477 7658  ACTIVITYCODE A101	DECIMAL / For column name and the column names are many properiate columns and the columns are may be ignored to b	TLOAT / INT	ut men accept	ACTIVITYCODE A105 A101 A102 A104	<u> </u>

	When the table "PARTICIPANT" was first created, the column 'NAME' was planned as the Primary key by the Programmer. Later a field ADMNO had to be set up as Primary key. Explain the reason .	
Ans	NAME column has duplicate values ,cannot be considered as Primary key, therefore Admno is to be considered as Primary Key.	
	(2 marks for the correct reason )	
	OR	
	Identify data type and size to be used for column ACTIVITYCODE in table ACTIVITY.	
Ans	Data type : CHAR / VARCHAR Size : 4	
	(1 mark for correct data type) (1 mark for mentioning correct size) Note: For the Size, any value more than 4 is also to be accepted.	
(c)	With reference to the above given tables (in Q6 b), write commands in SQL for (i) to (iii)	
(i)	To display Activity Code along with number of participants participating in each activity (Activity Code wise) from the table Participant.	2
Ans	SELECT ACTIVITYCODE, COUNT(*) FROM PARTICIPANT GROUP BY ACTIVITYCODE; OR	
	SELECT CONCAT(ACTIVITYCODE, COUNT(*)) FROM PARTICIPANT GROUP BY ACTIVITYCODE;	
	(½ mark for SELECT)	
	(1/2 mark for FROM)	
	(½ mark for correct use of GROUP BY)	
	(½ mark for correct use of COUNT()) OR	
	How many rows will be there in the cartesian product of the two tables in consideration here?	
Ans	Number of Rows:25	
	(2 marks for correct answer)	
(ii)	To display Names of Participants , Activity Code, Activity Name in alphabetic ascending order of names of participants.	2
Ans	SELECT NAME , PARTICIPANT.ACTIVITYCODE , ACTIVITYNAME FORM PARTICIPANT , ACTIVITY WHERE PARTICIPANT.ACTIVITYCODE = ACTIVITY.ACTIVITYCODE ORDER BY NAME ; OR	
	SELECT NAME , P.ACTIVITYCODE , ACTIVITYNAME  FORM PARTICIPANT P, ACTIVITY A	
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```
OR
    SELECT PARTICIPANT.NAME , PARTICIPANT.ACTIVITYCODE ,
    ACTIVITY.ACTIVITYNAME
    FORM PARTICIPANT , ACTIVITY
    WHERE PARTICIPANT.ACTIVITYCODE = ACTIVITY.ACTIVITYCODE
    ORDER BY PARTICIPANT.NAME ;
    OR
    SELECT P.NAME , P.ACTIVITYCODE , A.ACTIVITYNAME
    FORM PARTICIPANT P , ACTIVITY A
    WHERE P.ACTIVITYCODE = A.ACTIVITYCODE
    ORDER BY P.NAME ;
   (1/2 mark for SELECT)
   (1/2 mark for FROM)
   (1/2 mark for correct use of JOIN)
   (½ mark for correct use of ORDER BY)
                                                                        2
(iii)
   To display Names of Participants along with Activity Codes and Activity Names
    for only those participants who are taking part in Activities that have 'bag' in
    their Activity Names and Points of activity are above 250.
Ans
   SELECT NAME , PARTICIPANT.ACTIVITYCODE , ACTIVITYNAME
    FROM PARTICIPANT , ACTIVITY
    WHERE PARTICIPANT.ACTIVITYCODE = ACTIVITY.ACTIVITYCODE AND
    POINTS > 250 AND ACTIVITYNAME LIKE '%bag%';
    OR
    SELECT NAME , P.ACTIVITYCODE , ACTIVITYNAME
    FROM PARTICIPANT P, ACTIVITY A
    WHERE P.ACTIVITYCODE = A.ACTIVITYCODE
          AND POINTS > 250 AND ACTIVITYNAME LIKE '%bag%';
    OR
    SELECT PARTICIPANT.NAME , PARTICIPANT.ACTIVITYCODE ,
    ACTIVITY.ACTIVITYNAME
    FROM PARTICIPANT , ACTIVITY
    WHERE PARTICIPANT.ACTIVITYCODE = ACTIVITY.ACTIVITYCODE AND
    ACTIVITY.POINTS > 250 AND ACTIVTY.ACTIVITYNAME LIKE '%bag%';
    OR
    SELECT P.NAME , P.ACTIVITYCODE , A.ACTIVITYNAME
    FROM PARTICIPANT P, ACTIVITY A
    WHERE P.ACTIVITYCODE = A.ACTIVITYCODE AND
    A.POINTS > 250 AND A.ACTIVITYNAME LIKE '%bag%';
   (1/2 mark for SELECT)
   (½ mark for FROM)
   (1/2 mark for correct use of join)
   (1/2 mark for correct use of any one condition)
```

7	(a)		pes e-governance help in increasing Accountability (answerability of the ment to the people)? Write 2 points.	2
	Ans	2. Awa 3. Date Gove 4. Prac	reness about new policies and facilities being offered by the Government.  e and time of every transaction is automatically recorded for which the ernment is accountable.  etices like influences and bribing are reduced  each for any two valid points)	
		( Tinain	cuen for any two vana points)	
	(b)	Write 2	2 precautions to be followed while doing Online Shopping.	1
	Ans	2) C	erify authenticity of the website / vendor heck the product details and past reviews Yerify the payment gateway provided by the website.	
		(½ ma	rk each for any two valid points)	
	(c)	Help he TextFie	epika of ABC School is creating a form for a Summer Camp application. er to choose the most appropriate controls from ListBox, ComboBox, ld, TextArea, RadioButton, CheckBox, Label and Command Button for the eng entries:  Function	2
		1.	Let the user enter NAME of student	
		2.	Let the user enter MOBILE NUMBER of student	
		3.	Let the user choose one <b>TSHIRT</b> size out of the categories : XL / L / M / S	
		4.	Let the user select Activities out of Rock Climbing / Mountain Biking / Zip Lining / Night Hike . More than one activity may be chosen .	
	Ans	S.No. 1 2	Function Text Field Text Field	
		3	RadioButton/ComboBox ListBox/CheckBox	
		( ½ marl	k for each correct answer)	