Computer.

Q.P. Code: 73927

			Coupries.
	4		Q.P. Code: 73927 Total Marks: 75 Ons carry equal marks and are compulsory. O the right indicate maximum marks for a question. Attempt any two sub-questions from (a), (b),(c) in MS-EXCEL (True/False) Absolute cell referencing uses two \$ signs. We can delete all the worksheets in a workbook. Auto fill and AutoCorrect features are the same.
			Total Marks: 75
Time	e: 21/2 Ho	ours	1 Diai Marks. 73
Note	. 13 All c	nuesti	ons carry equal marks and are compulsory.
14000	2) Figu	ires to	o the right indicate maximum marks for a question.
	<u> </u>		
Q1.	(A)		Attempt any two sub-questions from (a), (b),(c) in MS-EXCEL
٠,	•		(True/False) Absolute cell referencing uses two \$ signs.
	((b)	We can delete all the worksheets in a workbook. Auto fill and AutoCorrect features are the same.
	((c)	Auto fill and Autocorrect towns (d) (e) (f) in MySOL (2)
	(B)		Attempt any two sub-questions from (d), (e), (f) in the control of
		(d)	(Multiple Choice) To make changes in the data already entered in the table we use 2) Update and Set
			1) Alter Tables
			3) Select The clause used to arrange the rows in the table is
		(e)	1) Arrange by
			3) Order by 4) Display by
		(f)	The query SELECT * FROM DEPOSIT; will displaythe rows in the
		``	table DEPOSIT. 1) First two 2) Last two 3) Middle two 4) All
			1)1111111111111111111111111111111111111
	(C)	(~)	Attempt any six sub-questions from (g),(i),(i),(i),(i),(i),(i),(i),(i),(i),(i
		(g) (h)	lia not necessary for data communications.
		(i)	Routing is the function performed by the network layer or our the
		(j)	HTML is used to create Web pages.
		(k)	Wireless network has limited range.
	•	(1)	A URL consists of only the document name. Download means to copy a file from your computer to another.
	:	(m)	ma'.
		(n)	On ' at the Glocan he attached with an eniality
		(0)	(5) (7) (8) (1) (1) (V) (W) (5)
	(D)	, ~o;	Attempt any five sub-questions from (p),(q),(r),(s),(t),(u),(v),(w) (5) in Data Communications, Networking and Internet. (Multiple Choice) in Data Communications in thecable.
	, ₁ 2	(b)	There is no electric signal in the3) Fiber optic 4) STP
,	71/1	(q	1) Microwave 2) Fiber optic 3) 3
şoʻ	(D) 21/1/2 ^C	(r	ALLE TO THE STATE OF THE STATE
(·

		(c)	The large collection of websites available on the internet is	
,		(s)	1) URL 2) WWW 3) Blog 4) None of tilese	_
		(t)	Internet Explorer, Google Chrome and Firefox are 1) Hardware 2) Browsers 3) Utility software 4) Internet tools	2/6
		(u)	If a packet is missing or arrives out of order,layer in OSI model handles the situation. 1) Transport 2) Session 3) Network 4) Physical	11/20
		(v)	To match all the words in your search, the Booleanoperator Should be used. 1) OR 2) AND 3) NOT 4) BOTH	
		(w)	The full form of ISDN is Service Digital Network. 1) Indian 2) Important 3) Integrated 4) Integral	
Q2.	(A)	(a)	Networking and Internet. Write short notes on (i) Bus Topology (ii) Star Topology.	(8)
		(b)	Explain Data Communication & its various components.	
i	(B)	(c)	Answer any one sub-question from (c), (b) in Data Communications, Networking and Internet Explain Domain Name System and IP Andresses.	(7)
		(d)	Write short notes on (i) Website (ii) Hacking.	
, Q3.	(A)		Answer any one sub-question (a), (b) in MySQL	(8)
,		(a)	Write MySQL statement to Create a table called HOSPITAL having the following columns Patient Registration Number (PRN, integer, primary key), Patient Name (PNAME, character with variable width 20 columns), Doctor Name (DOCTOR, character with variable width 20 columns, should not be empty) and Charges (CHARGES, 7 integers and 2 decimals, postave).	layer in OSI model 4) Physical ——operator 4) BOTH Network. d 4) Intual Ita Communications, (8) pology. Inents. ata Communications, (7) MySQL (8) HOSPITAL having the (PRN, integer, primary the variable width 20 with variable width 25 columns), Gender 25 columns), Gender 25 columns), Gender 25 columns (BALANCE, very MySQL (7) MySQL (7)
		(b)	Write MySQL statement to create a table called ACCOUNT having the columns Account Number (ANO, integer, primary key), Account holder Name (NAME, character with variable width 25 columns), Gender (GEN, Boolean), Type of Account (TYPE, character with variable width 25 columns, default value "SAVINGS") and Balance (BALANCE, very Parge integer). Answer any one sub-question from (c), (d) in MySQL Explain the following built-in functions in MySQL. 1) MOD() 2)RTRIM() 3) LOWER() 4) NOW() 5) RIGHT() 6) ROUND() 7) MONTH()	
	(B	200	Answer any one sub-question from (c), (d) in MySQL	(7)
	1/2) (c)	Explain the following built-in functions in MySQL. 1) MOD() 2)RTRIM() 3) LOWER() 4) NOW()	
2007	``		5) RIGHT() 6) ROUND() 7) MONTH()	

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There exists a table called ATTEND having the following columns Student Name (SNAME, character variable width 25), Class (CLASS, (d) character width 15), Division (DIVISION, character width 1) and Number of Lectures Attended (LTOTAL, integer). Write MySQL statements for the following.

i) Insert one row of data in the table having Student Name 'RAMESH SIPPY', Class 'F.Y.B.Com.', Division 'A' and Number of Lectures Attended

ii) Add a new column Roll Number (RNO, integer) as first column to this

iii) Increase the Number of Lectures Attended by all the students by

iv) Delete all the rows from the table where Number of Lectures

v) Change the Number of Lectures Attended of the student whose name is 'DIYA MIRZA' to 75. is 'DIYA MIRZA' to 75.

vi) Rename column SNAME to NAME.

vii) Display the structure of the table ATTEND.

04.

Answer any one sub-question from (a), (b) in MySQL There exists a table TAX having the columna Permanent Account Number (PAN, integer), Name (NAME, character), City (CITY, character), Taxable Income (INC, integer), and Income Tax (ITAX,

Write MySQL queries for the following. City and Income Tax from this

Min Display Permanent Account Namber, Name and Taxable Income where Taxable Income is more than the average Taxable Income.

Display City, maximum عبرة minimum Taxable Income grouped by

Display Permanent Account Number, Name and Taxable Income where the Income Taxes equal to the Highest Income Tax. V) Display all the rows from this table where name contains 'B'.

There exists a Cable BOOKS containing columns Accession Number (ASNUM, integer, primary key), Book Name (NAME, character), Author Name (AUTHOR, character) and Number of Pages (NUM, integer). There exists another table ISSUE containing the columns Number (SNUM, integer), Accession Number (ASNUM, integer, primary key) and Date of Issue (DOI, Date).

.WITE MySQL queries for the following. Display Book Name, Author Name and Date of Issue for books having

More than 300 pages using both the tables.

ii) Display Book Name, Student Number, Accession Number and Date of Issue for Books Issued before September 1, 2016 using both the tables. iii) Display Book Name, Author Name and Number of Pages form the table BOOKS for those books where the Number of Pages is equal to the

average Number of Pages. iv) Display Book Name, Author Name and Accession Number in the

alphabetical order of Book Name from the table BOOKS.

v) Display Student Number, Accession Number and Date of Issue for all the rows from the table ISSUE where Student Number is between 21 TURNOVER and 3.0.

(8)

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(B) Q4.

Answer any one sub-question from (c), (d) in MySQL There exists a table CUSTOMER containing columns Customer Number (CN, integer), Customer Name (CNAME, character), City (CITY, Character), Bill Number (BNO, numeric) and Bill Amount (BAMT, numeric). Write MySQL queries for the following.

i) Display the City, maximum and minimum Bill Amount grouped as per City.

ii) Display the City, total number of bills and total of Bill Amount grouped as per city.

iii) Display all the rows where the Bill Amount is above the average Bill Amount.

iv) Display all the rows from this table where the Custome dumber is divisible by 4.

(d)

(c)

There exists a table STUDENT containing columns Roll Number (RNO. integer), Students Name (NAME, character), Class (CLASS, character) Marks (MARKS, Integer) and Date of Birth (DOB, date). Write MySQL queries for the following.

Display all the rows from this table where Marks are above 75.

Display all the rows from this table where Class is "T.Y.B.Com.".

iii) Display the Student Name labeled as 'Name of the Student' and Marks labeled as 'Marks of the Student' from this table.

if) Display the Roll Number, Student Name and Marks of students born before March 10, 1998 from this table.

y) Display the Roll Number, Student Name and Marks of students where Student Name is 'ADITYA CHOPRA' from this table.

Display all the rows from this table in the descending order of Marks.

Jii) Display all the vows from this table where the first letter in the Student Name is ਲ 🤊

Q5. (A) Answer any one sub-question from (a), (b) in MS-EXCEL

(8)

For the following spreadsheet obtain the Subtotals of the Sales year

0. Y	r .	В	TC	D	E
	Α	YEAR	AGE	MOBILE NO.	SALES
1_	NAME		30	9821023012	45000
2	SALIM	2010	27	3456789215	30000
3	ANANT	2011	26	9845673212	55000
4	RAHUL	2011		8876543939	40000
5	AANA	2010	29	8976765645	20000
6	RAJNI	2010	32	5456677678	25000
7	ASHA	2011	22	3430077070	120000

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(b) For the following spreadsheet obtain the Pivot table showing total profit and average profit city wise in column F1.

	A	В	C	D
1	NAME	CITY	GENDER	PROFIT
2	SHAAN	NASIK	MALE	45000
3	ADITYA	MUMBAI	MALE	75000
4	SARITA	PUNE	FEMALE	50000
5	NIKKI	NASIK	FEMALE	40000
6	RIDHI	PUNE	FEMALE	55000 5
7	SUMIT	MUMBAI	MALE	7000Q

Q5. (B) (7)

7	SUMIT	MU	MBAI	MALI	3	7000Q\\
						2,603
Ansv The	wer <i>any one</i> following d	sub-que ata has be	stion from	n (c),(d) d in a wor	in MS-EXC ksheet. /	()
	Α	В	С	D	Ā	F
1	NAME	BASIC	HRA	DA	PF	NET PAY
2	ADIL	40000			2	
3	DARSHA	25000		Ox.		
4	HAFIZA	60000		10.4		
5	KAJOL	75000				
	KAJOL	73000		W		1

Write the steps to obtain

- i) HRA as 45% of the Basic of 18,000 whichever is less in column C
- ii) DA as 130% of the Basis or 20,000 whichever is more in column D.
- iii) PF as 12% of BASIC Pcolumn E.
- iv) NET PAY as BASIG- DA + HRA PF in column F.
- Explain the following built in functions in MS-EXCEL

2. ABS()

3. PV()

4. MIN()

5. FLOOR()

6. NPER()

7. ROUNDDOWN()

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