Typeom - Sem & Computer Systems & Applications

, Jime	2½ Hour	S			Total Marks: 7
Note	: 1) All que	stions carry equal r	marks and are compu	ulsory.	
	2) Figures	to the right indicat	e maximum marks f	or a question.	
Q1.	(A) (a) (b) (c)	(True/False) Absolute cell refe We can delete all	sub-questions from erencing uses two \$ s the worksheets in a Correct features are	igns. workbook.	S-EXCEL
	(d)	(Multiple Choice)	in the data already e		ewe use
		3) Select	y radically authorized	4) Create	
	(e)	The clause used t 1) Arrange by	o arrange the rows in	n the table is 2) Sort by	
		3) Order by		4) Display by	,
	<b>(f)</b>	The query SELEC table DEPOSIT.  1) First two	T * FROM DEPOSIT; y	wîl display O 3) Middle two	the rows in the 4) All
	(C) (B)	Attempt any <i>six</i> in Data Communi	sub-questions from cations, Networking is used to link vario	(g),(h),(i),(j),(k),( and Internet. (Tr	(l),(m),(n),(o) ue/False).
O. Au	(h) (i) (j) (k)	Routing is the fun HTML is used too Wireless network	has limited range.	the network layer	of OSI model.
	(l) (m) (n)	Download means	only the document n to copy a file from ye of a website is called	our computer to a	nother.
			can be attached wit	h an email.	
* 4	(0) (0)	Attempt any <i>five</i> in Data Communi There is no electri 1) Coaxial cable		and Internet. (Mu	
2/1/	(a)		wing is not wire base ) Fiber optic 3) Co		) Twisted pair
52317	(r)	in MAN computer. 1) Fiber Optic	s are generally conne 2) Co-axial 3)		cable. ) UTP [TURNOVER
_	F-Con.	3705-16.	1		

There exists a table called ATTEND having the following columns (d) Student Name (SNAME, character variable width 25), Class (CLASS, 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 Lextures Attended is less than 75.

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

vi) Rename column SNAME to NAME.

vii) Display the structure of the table ATTEND.

Q4. (A)

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

i) Display Permanent Account Number, City and Income Tax from this

ii) Display Permanent Account (Jumber, Name and Taxable Income where Taxable Income is more than the average Taxable Income.

iii) Display City, maximum and minimum Taxable Income grouped by

iv) Display Permanent Recount Number, Name and Taxable Income where the Income Tax is equal to the Highest Income Tax. v) Display all the rows from this table where name contains 'B'.

There exists accession BOOKS containing columns Accession Number (b) (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 Student Number (SNUM, integer), Accession Number (ASNUM, integer, primary key) and Date of Issue (DOI, Date). Write MySQL queries for the following.

ippisplay Book Name, Author Name and Date of Issue for books having

onore 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 and 3.0.

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Q4. (B)

(c)

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 Customer Number is divisible by 4.

(d) 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.

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

ii) 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.

iv) Display the Roll Number, Student Name and Marks of students born before March 10, 1993 from this table.

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

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

vii) Display all the rows from this table where the first letter in the Student Name is F

Q5. (A)

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Answer an one sub-question from (a), (b) in MS-EXCEL

(8)

(a) For the following spreadsheet obtain the Subtotals of the Sales year wise.

	A	В	C	D	Е
1	NAME	YEAR	AGE	MOBILE NO.	SALES
2	SALIM	2010	30	9821023012	45000
3	ANANT	2011	27	3456789215	30000
4	RAHUL !	2011	26	9845673212	55000
5	AANA	2010	29	8876543939	40000
6	RAINI	2010	32	8976765645	20000
7	ASHA	2011	22	5456677678	25000

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(7)

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

	5 Q.P. Code: 73927				
For	the following fit and average	spreadsheet obtai	in the Pivot table sh n column F1.	owing total	112169:51.18
	A	В	Tic .	D	ત્ર ્લંં
1	NAME	CITY	GENDER	PROFIT	1 20
2	SHAAN	NASIK	MALE	45000	4,, 1-
3	ADITYA	MUMBAI	MALE	75000	14/\'
4	SARITA	PUNE	FEMALE	50000	<i>Y</i> /,
5	NIKKI	NASIK	FEMALE		
6	RIDHI .	PUNE	FEMALE	40000 うう 55000 くう	
7	SUMIT	MUMBAI	MALE	70000	1

Q5. (B)

(c)

Answer any one sub-question from (c), (d) in MS-EXCEL

The following data has been entered in a worksheer.

	Α	В	C	D	E	I F
1	NAME	BASIC	HRA	DA	J. PF	NET PAY
2	ADIL	40000		1	8	
3	DARSHA	25000		1 20		
4	HAFIZA	60000		121.		
5	KAJOL	75000		43		
6	SACHIN	34000		<b>b</b>		

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 to column E.
- iv) NET PAY as BASIC + DA + HIA PF in column F.
- Explain the following built in functions in MS-EXCEL (d)

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	11	M	11	Q
	-		- 1	W.

2. ABS()

3. PV()

4. MIN()

5. FLOOR()

6. NPER()

7. ROUNDDOWN()

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