			Time:	2½ Hours	T	otal Marks: 75	
	45 A1	1	ions carry equal ma	orks and are compu	lsorv.		
			o the right indicate				
	2) Fig	gures t	o the right malcate	maniman, mar 2			1
Q1	(A)			sub-questions fro	m (a), (b),(c) in M	IS-EXCEL	(2)
		(a)	(True/False) The argument of a spreadsheet.	function can be a r	eference to anoth	er cell in the	
		(b) (c)	To insert subtotal	you must sort the l have either a heade	ist. r or footer, but no	ot both.	
	(B)		Chaine	sub-questions from	and the second second		(2)
		(d)	To indicate that there should be 6 integers and 2 decimal positions we use				
			1)DECIMAL(8,2)	2)DECIMAL(6,2)	3)DECIMAL(2,	6) 4)DECIMAL(2,8)	
		(e)	To save the transa		-	A) B about	
			1) Rollback	2) Save	3) Commit	4) Return	
		(f)	A Database contai		•	45 m.13	
			1) Rows	2) Databases	3) Columns	4) Tables	
	(C)		Attempt any six in Data Communic	sub-questions from cations, Networking	(g),(h),(i),(j),(k), and Internet. (Tr	(l),(m),(n),(o) ue/False).	(6)
		(g)	Telecommunication	on system is an exar	nple of distributed	d processing.	
		(h)	A network is used	to share hardware	and software.	1 1	
		(i)	There is no way to	handle collisions t	nat occur in a bus	topology.	
	7 *	(j)	There are four typ	es of twisted pair c	ables.	OCI model	
		(k)		ayer is one of the u	pper layers in the	USI Model.	
		(1)	OR is a Boolean o	perator.	and for business as	nd commercial	
		(m)	In the domain nan organisation.	ie system .com is us	sed for business a	na commerciai	
		(n)	Email can be sent	with attachments.			
. 4		(n) (o)	Spoofing refers to	tricking or deceivir	g computer syste	ms or other computer	
		(4)	users.				
	(D)	(p)	Communications,	sub-questions fron Networking and Int nedium that carrie	ernet. (Multiple C),(u),(v),(w) in Data Choice) referred to as	(5)
			the 1) Protocol	2) gateway	3) Communication	n channel 4) Transport	
		(q)	Anetwork sp	ans a number of cit	ies and countries.		
			1) LAN	2) MAN 3	B)WAN	4) None of these	
4							
5/310	4			Page 1 of 5			

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		(r)	In	topology all the	nodes are connect	ed with	a single cable.	
			1) Bus	2) Ring	3) Star	s ,	4) None of these	
		(s)	1) ISDN accoun	is the fastest Into nt 2) Shell accou	ernet account. nt 3)Dial-up acco	unt 4) I	Broadband account	٠
		(t)	Internet Explo	rer is referred to	as	. 4		
					oftware 3) Brows	sers 4	1) Internet tools.	,
		(u)	Full form of H7	TTP is Hyper Text	P	rotocol.	*.	
			1) Transfer		3) Terminal		4) Transaction	
		(v)	The protocol to	o download emai	and store it in you	ır compu	iter is	
		. ,	1) POP	2)NMTP	3) FTP		4)HTTP	
		(w)	reasons.	pe of hackers bre	eak into the securit	y system	for non-harmful	
			1) Grey hat	2)Blue hat	3)White hat		4) Black hat	•
Q2.	(A)	(a)	Networking ar	d Internet.	from (a), (b) in Da		unications,	(8)
		(b)		5.5	Pair Cable ii) Fiber		able	
	(B)	(c)	Networking ar	ıd Internet.	from (c), (d) in Day y three layers of T((7)
		(d)			three types of had			
Q3.	(A)	(a)	Consumer Nur character with character with	statement to cre mber (CNO, integ h variable width i variable width :	ger, Primary key), 1 30 columns) T	BEST h Consum ype of (t value "	aving the columns her Name (CNAME, Connection (TYPE, INDUSTRIAL") and e).	(8)
rice.		(b)	Write MySQL Employee Nur Name of Empl Name (DEPT, o	statement to cre nber (EN, Intege loyee (NAME, ch character with var	ate a table called er, should be incr aracter with width riable width 20 colo	COMPAN eased by 1 30 colu	NY having columns y 1 automatically), amns), Department ould not be empty), (PF, 8 integer and 2	

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(B) Answer any one sub-question from (c), (d) in MySQL

(7)

(c) Explain the following built-in functions in MySQL.

1)LOWER() 2)LTRIM()

3) REVERSE()

4) DAY()

5) ABS()

6) TIME()

7) MONTHNAME()

(d) There exists a table called PICNIC containing the columns Roll Number (RNO, integer, Primary Key), Name (SNAME, character variable width 20), Date of birth (DOB, Date), Gender (GENDER, character width 1) and Division (DIVISION, character variable width 4).

Write MySQL statements for the following.

i) Display the structure of the table PICNIC.

ii) Enter the following one row of data in this table.

RNO	SNAME	DOB	GENDER	DIVISION
101	REKHA	2001-03-01	F	A

- iii) Add a new column Mobile Number (MOB, integer) at the end of the table PICNIC.
- iv) Delete the row where roll number of the student is 56.
- v) Change the Date of Birth of student with roll number 11 to September 7, 1999.
- vi) Change the size of the column SName to 30 columns.
- vii) Rename the table PICNIC as FUNPICNIC.

Q4. (A) Answer any one sub-question from (a), (b) in MySQL

(8)

(a) There exists a table AMAZON having the columns Purchaser's Number (PNO, integer), Purchaser's Name (PNAME, character), Receipt Number (RNO, integer, primary key), Total Cost (TCOST, integer) and Date of Purchase (PURDT, date).

Write MySQL statements for the following.

- i) Display Purchaser's name, Receipt Number and Total Cost from this table where Date of Purchase is January 1, 2018.
- ii) Display Purchaser's Name and Total Cost where Total Cost is equal to the maximum Total Cost.
- iii) Display Date of Purchase, maximum and minimum Total Cost grouped by Date of Purchase.
- iv) Display Purchaser's Name, Date of Purchase and Total Cost where Total Cost is more than the average Total Cost.
- v) Display Purchaser's Name, Total Cost and "Discount" as 10% of Total Cost.
- (b) There exists a table INSTITUTE containing columns Roll Number (RNO, integer, primary key), Name (SNAME, character), Age (AGE, integer), Fees (FEES, decimal (8, 2)). There exists another table PERFORMANCE containing columns Roll Number (RNO, integer, primary key), Total marks (TOTAL, integer).

Write MySQL statements for the following.

- i) Display Name, Age and Total marks of a student with Roll Number 100 using both the tables.
- ii) Display Name, Age and Total marks of students getting Total Marks more than or equal to 400 using both the tables.

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Write the steps to obtain

- 1) Total Marks in column G
- ii) Average of best three subjects in column H.
- iii) Maximum average marks in cell H9.
- (b) For the following spreadsheet write the steps to obtain the subtotals of sales city wise.

	A	В	С
1	NAME	CITY	SALES
2	NIRAJ	MUMBAI	78000
3	KARTHIK	PUNE	60000
4	JAY	MUMBAI	100000
5	RAVPREET	NAGPUR	68000
6	RAM	NAGPUR	62000
7	DHEERAJ	PUNE	77000
8	ANUP	MUMBAI	75000

Q5. (B) Answer any one sub-question from (c), (d) in MS-EXCEL

(7)

(c) For the following spreadsheet write the steps to obtain the Pivot table showing total salary and lowest salary department wise in column G.

	A	В	C	D D
1	NAME	AGE	DEPT	SALARY
2	VINAYAK	42	A/C	48000
3	NAVIN	28	PUR	32000
4	PADMA	25	ADMIN	25000
5	MOHAN	44	PUR	55000
6	PETER	46	ADMIN	46000
7	MUSCAN	29	A/C	30000
8	BHAVYA	32	PUR	36000

(d) Explain the following built in functions in MS-EXCEL

1. FV()

2. PPMT()

3. ROUNDDOWN()

4. MOD()

5. INT()

6. SQRT()

7. COUNT()

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