	$(2\frac{1}{2})$	Hours)	
	Note	: 1) All questions carry equal marks and one same [Total Marks: 75]	
		: 1) All questions carry equal marks and are compulsory. 2) Figures to the right indicate maximum marks for a question	
		y against to the right indicate maximum marks for a question	
Q.1			
Q.1	A	Attempt any two sub-questions from (a), (b),(c) in MS-EXCEL(True/False) The cell in which data is entered is called the action.	
	(;	The cell in which data is entered is called the active cell. A workbook can contain an entered is called the active cell.	02
	(1	A workbook can contain worksheets and chart sheets.	
	(0	A spreadshart contain worksheets and chart sheets.	
		A spreadsheet consists of a grid made of rows and columns.	
	D		
	В	Attempt any two sub-questions from (d), (e), (f) in MySQL (Multiple Choice) To indicate that there should be 5 integer and 2 decimals a sixty of the state of th	
	(0	To indicate that there should be 5 integer and 2 decimal position we use A)decimal(5,2) B)decimal(7,2) C) 1	02
		A)decimal(5.2) R)decimal(7.2) and 2 decimal position we use	
	(e	A) decimal(5,2) B) decimal(7,2) C) decimal(9,2) D) decimal(2,5)	
	,	the databases in vivo I we use	-
		B) View Databases CVCh D	2
	16		
	(f)	The including th	
		A) Primary B) Foreign C) Secondary (0) 1-D) A.	
		B)Foreign C)Secondary [/9-]=D)Main	1.70
	C	Attempt any circuit and	
		Attempt any six sub-questions from (g),(h),(i),(j),(k),(l),(m),(n),(o) in Data	
	(a)	Communications, Networking and Internet. (True/False).	06
	(g)	to the file inculting between the conder out	
	(h)	the condition brocess the sanding decises and	
	(i)		
	(j)	Banking system and ticket reservation and the	
	(k)	Banking system and ticket reservation system are examples of distributed processing. Core banking system is an application that uses WAN.	
	£ (1)	Bus topology is suitable 6	
	(m)	Bus topology is suitable for a local area network.	
~	7		
25.	(n)	Different documents can be linked on the Interest by	
*	(o)	The Internet is controlled by a government agency of the United States.	
-	1	agency of the Office States.	
L) .	Attempt any five sub-questions from (p),(q),(r),(s),(t),(u),(v),(w)	
		in Data Communications Normalian (p),(q),(r),(s),(t),(u),(v),(w)	
35	(p)	in Data Communications, Networking and Internet. (Multiple Choice)	05
	(P)	additional that carries the message is referred to an the	
	11	D) Paleway	
	(q)	bits for data representation	
- 6		D10 N (116 N)	
	(r)	Which of the following protocols is used for email D) 32	
-		A) SMTP B) FTP C) http	
7		A) SMTP B) FTP C) http D) both (a) and	
	·Va)		
	(s)	Which of the following is used to segment a large network into two smaller	
		ACTIVORS.	
		A) Hub B) Bridge C) Router D) Modem	
	(t)_		
		Which of these domains is restricted to qualified organizations A) com B) org	
	-(11)		
	-(u)	operator should be used	
		A) AND B) ()R	
		D) BOTH	

08

		(v)	What is the full form of URL?	
			A) Uniform Resource Library D. Heitert D.	
		(111)	C) Universal Resource Locator D) U-16-	
		(w)	Which of these is a meta search engine?	
			A) Google B) Yahoo C) AltaVista D) Dogpile	
Q.2	A		Answer any one sub-question from (a),(b) in Data Communications,	
				08
		(a)	Differentiate between LAN and WAN	
		(b)	Write and explain components of data communication.	
	В		Answer any one sub-question from (a) (d) in Date Com	
			Answer any one sub-question from (c),(d) in Data Communications, Networking	07
		(c)	Explain following topologies: 1. Ring 2. Bus	0,
		(d)	Write advantages and disadvantages of twisted pair cable.	
Q.3	A		Answer any one sub-question from (a), (b) in MySQL	
		(a)	With MySOL Statement to create a table called HOTER to the	08
			Total Negistration Number (KNC) integer Primary Val. D Tr.	
			The state of the s	
			Date and Taill (TAKIFF, Width & with 2 decimals should not be	
			negative).	
		(b)	Water Cox of the Cox o	
		(6)	Write MySQL statement to create a table called LIBRARY containing columns	
	6		recession runner (ASNUM, integer should be increased by Leutensetten	
	3		rume (TVAIVIE, Character with Variable width 25 columns should not be	
-			Author Name (AUTHOR, character with width 20 columns), Price of the Book	
-			(NUM, 7 integer and 2 decimals) and Date of Purchase (PURDT, Date).	
2.3	В		Answer any one sub-question from (c), (d) in MySQL	
	. 5	(c)	There exist a table RTRAVELS containing columns Travellers Number (TNO,	07
	0		miteger), Name (INAME, character) Destination City (CITY Character to) D	
7.			of Travel (DOT, date) and Fare (FARE, integer). Write MySQL statements for the	
		35	lonowing.	
			i. Display the structure of the table RTRAVELS.	
	6		ii. Enter the following one row of data in this table.	
			TNO TNAME CITY DOT FARE	
3			101 AKASH HYDERABAD 2024-09-25 8000	
		2	iii. Add a new column Age (AGE, integer) at the beginning of the table RTR AVELS	
	ž.		iv. Delete the rows where destination city is PUNE.	
	5		v. Change the Date of travel of traveller with name "SAMEER" to May	
		Į.	vi. Change the size of the column TName to 25 columns.	
			vii. Delete the table RTRAVELS.	

- (d) Explain the following built-in functions in MySQL

 1) LEFT() 2)TRIM() 3)MONTH() 4) LENGTH()

 5) MOD() 6) POW() 7) NOW()
- Q.4 A Answer any one sub-question from (a), (b) in MySQL

08

- (a) There exists Table name: Employee details (EMP_DETAILS)column s in the table: Employee no.(Primary key)((emp_no), first name (finame), Surname (Surname), middle name (Mname), age(Age), date of birth(DOB), gender(Gender), name of the department(Dept), designation(Desi), and salary(Sal).

 Write MySQL statements for the following
 - To display Employee no., first name, surname, last name and salary. Use the heading as Emp. No., Name and Salary. Use concat to display name as one entity combining first name, surname, last name.
 - ii) To display Employee no., first name, surname, last name whose first name begins with the letter S.
 - iii) To display Employee no., first name, surname, last name and age in the order of Surname.
 - iv) To display Employee no., first name, surname, last name and date of birth of those who are born in the month of June in the chronological order of date of birth.
- (b) There exist a table book containing the columns account number (ACNNo), book-name (Bname), Number of copies (NOC), Value of the book (B_rate) and date of Publication (Dof_P).

Write the my SQL statement for the following

- i) Display all the rows from the following table book
- ii) Display all the book details in alphabetical orders of book name
- iii) Display the account number, book name and date of Publication from the table.
- iv) Display Minimum number of books, Maximum number of books, Average of book as per book name.
- Q.4 B Answer any one sub-question from (c), (d) in MySQL

07

- (c) There exists a table Flipcart 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, Total Cost and "Discount" as 15% of Total Cost.

- (d) There exists a table Eclass containing columns Roll Number (RNO, integer, primary key), Name (SNAME, character), Age (AGE, integer), Fees (FEES, decimal (8, 2)). There exists another table PER 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 200 using both the tables.
 - ii) Display Name, Age and Total marks of students getting Total Marks more than or equal to 600 using both the tables.
 - iii) Display Roll number and Total marks of students who have scored more than average Total Marks using table PER.
 - iv) Display Name and Fees of students who pay maximum Fees using table Eclass.

Q.5 A Attempt any ONE sub-question from (a), (b) in MS Excel

(a) The following data has been entered in a worksheet:

VIEW	A	В	C	D	E	F
1	PRODUCT	COST PRICE	QIY	TOTAL	PROFIT AMT	SELLING PRICE
2	Desktop	6000	10			FRICE
3	Hard Disk	8500	2			
4	Keyboard	400	15			
5	Scanner	8050	14			
6	Printer	12500	6			
7						
8	PROFIT	5%				

Write steps to find the Total Cost, Profit Amount and Selling Price in columns D, E and F respectively.

- (b) For the following spreadsheet write the steps to
 - a) Sort the data in the ascending order of Batsman
 - b) Calculate subtotal of runs scored by each team.

200	A	В	C	D
1	SR NO	BATSMAN	TEAMS	RUNS SCORED
2	1	DARSHIT	MI	54
3	2	AMAN	GT	87
4	3	MALHAR	CS	63
5	4	KRISH	RR	80
6	5	SRIKANT	RR	72
7	6	JOHN	MI	66
8	7	AKBAR	MI	48
-				

08

B Attempt any ONE sub-question from (c), (d) in MS EXCEL (c)

Answer the following using spreadsheet giving the marks scored by students in 5

	A	В	C	D	E	r	- C	-
l	NAME	Test 1	Test 2	Test 3	Test 4	Toras	G	H
	Sachin	76	78	98	54	Test 5	TOTAL	AVG
	Ganga	45	56	54	45	115		
ì	Kala	36	85	56		12		
	David	59	45	54	89	65		
	Kumar	45	25		25	78		
All			23	12	14	58		
097	the stere t							

Write the steps to

- Calculate the Total and Average score in column G and H.
- Test-wise calculate the Highest and the Lowest score in row 8 and 9.

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

- L INT ()
- 2. AVERAGE ()
- 3. FV()

07

5. ROUND ()

6. MOD ()

7. SQRT()