(2½ H	lours	s)	[Total Marks: 75]	
			estions carry equal marks and are compulsory. s to the right indicate maximum marks for a question.	
Q1.	(A)		Attempt any <i>two</i> sub-questions from a), b) and c) in MS-EXCEL (True or False)	(2)
		a) b) c)	The result of a logical formula is a numeric value. The Trim() function removes all blank spaces from the string argument. Solver problems are limited to a single changing cell.	
	(B)		Attempt any <i>two</i> sub-questions from d), e) and f) in VISUAL BASIC (Multiple Choice)	(2)
		d)	Double clicking on the command button icon in the tool box will A) Do nothing B) Highlight it C) Place it on the form D) Delete it	
		e)	is the final keyword used to indicate the end of a sub procedure. A) Exit Sub B) End Sub C) Exit D) Quit	
		f)	The full form of VBP is A) Visual Binary Project B) Visual Basic Project C) Very Basic Project; D) Visual Basic Parameter	
	(C)		Attempt any <i>six</i> sub-questions from g), h), i), j), k), l), m), n), o) in E-Commerce. (True Or False).	(6)
		g)	Transaction broker earns money in the form of commission each time a transaction occurs.	
		h)	Richness refers to the total amount of information that is available to all the stakeholder.	
		i)	Content provider is one of the major B2B model.	
		j)	In SET the customer's credit card number is never seen by the merchant.	
		k)	Integrity refers to the ability to determine the origin of the message received over the Internet.	
		1)	The cost of the products sold through E-Commerce is very high.	
		m)	In SSL, encryption is based on session key which is unique and is different for each session.	
		n)	M-Commerce means buying and selling of goods and services using a laptop.	
		0)	Digital signature is used to authenticate the identity of a person involved in Ecommerce.	
((D)		Attempt any <i>five</i> sub-questions from p), q), r), s), t), u), v), w) in E-Commerce. (Multiple Choice)	(5)
		p)	Yahoo is a	
		q)	A)Portal B)E-Tailer C) Transaction Broker D) None of these In E-Commerce one business makes deals with another	
			Business. A) C2C B) B2C C) B2B D) C2B	

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		-	.\	mi					
		r	.)	The model	in E-Commer	ce where compa	nios samu	revenue by refer	
				users to ot	her websites r	roviding produc	nes earn	revenue by refer	ring
					model.	roviding produc	ts/service	es is called	
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		s`)	The full for	m of CET : B	filiation (C) Sales	D) Transac	tion
		,	,	A) Secure F	m of SET in E-	commerce is			
			- 4	1) Secure r	Jectronic Tax		ure Elect	 ronic Transactio	
		+)	- '	J secure E	lectronic Terr	B) Sec itory D) Sec into readable de-	ure Floor	ronic Transactio	n
		t)	(Lonversion	of coded data	into readable da	to ic coll	ionic Tunnel	
			F	l) De-conve	ersion B)De	Cryption C	ta is calle	d	
		u)	Τ	The sender	and receiver w	vill have the same	Encrypti	ion D)Pass	word
			е	ncryption		in have the same	e key in _	Key	
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		V)		, januari	ore site - 1	Symmetric C) Public	D)Priva	t -0
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			Α	Cobie With	similar interes	st can do transac	tion	outheur wilele	
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					7		EDI	D)E-Marl	zat
Q2.	(A)		An	Swer any	na oul			- 72 Mai i	Ket
		a)	Ex	nlain the fa	me sub-question	on from a) and b) in E-Con	nmarca	
		b)	Ev	plain the le	atures of E-Co	mmerce.		mileice.	(8)
		0)	n'v'	prain me 10	Howing B2C m	odels in F-comm	erco		
			(1)	E-Tailer	(ii) Cont	ent Provider	CHU, m		
	(D)	- ipe				10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(III) Ira	insaction Broker	
	(B)		Ans	swer any or	ne sub-quartie				
		c)	Wh	at is M-com	1	" " OIII CI ANN AL			
				- COII	Imerce? What	ano ita	III E-Com	merce	(7)
		d)	Exp	lain SET pr	imerce? What	n from c) and d) are its applicatio	ns?	merce	(7)
Parket Sec		d)	Exp	lain SET pr	nmerce? What otocol.	are its applicatio	ns?	merce	(7)
Q3.	(A)	d)	Exp	lain SET pr	otocol.	are its application	ns?		(7)
Q3.		d)	Exp Ans	lain SET pr wer any <i>on</i>	otocol.	are its applicatio	ns?		(7)
Q3.		d)	Exp Ans	lain SET pr wer any <i>on</i> sider the fo	otocol.	are its applicatio	ns?		(7) (8)
Q3.		d)	Exp Ans Con	lain SET pr wer any <i>on</i> sider the fo	otocol. ne sub-questio llowing works	n from a) and b)	in MS-E)	KCEL	
Q3.		d)	Exp Ans	lain SET pr wer any <i>on</i> sider the fo	otocol. ne sub-questio llowing works	n from a) and b) theet	in MS-EX		
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Q3.		d)	Ans Con.	lain SET pr wer any on sider the fo A NAME KARAN ANITHA SHARAN	otocol. se sub-questio llowing works B TOTAL SALES 85000 63000 248000	n from a) and b) theet	in MS-EX	KCEL E TOTAL	
Q3.		a) [Ans Con.	lain SET pr wer any on sider the fo A NAME KARAN ANITHA SHARAN MEGHA	otocol. Se sub-question of su	n from a) and b) theet	in MS-EX	KCEL E TOTAL	
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Q3.		a) [Ans Con. 1 2 3 4 5 6 7 7rite	lain SET pr wer any on sider the fo A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to	rotocol. Re sub-questio blowing works B TOTAL SALES 85000 63000 248000 125000 260000 75000	n from a) and b) cheet C COMMISSION	in MS-EX D BONUS	CEL E TOTAL EARNING	
Q3.		a) [Ans Con. 1 2 3 4 5 6 7 7rite	lain SET pr wer any on sider the fo A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to	rotocol. Re sub-questio blowing works B TOTAL SALES 85000 63000 248000 125000 260000 75000	n from a) and b) cheet C COMMISSION	in MS-EX D BONUS	CEL E TOTAL EARNING	
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Q3.		a) [Ans Con. 1 2 3 4 5 6 7 7rite	wer any on sider the for A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to culate Comicy. SALE FIRS	rotocol. Re sub-question of s	n from a) and b) cheet C COMMISSION	in MS-EX D BONUS Collowing	CEL E TOTAL EARNING	
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Q3.		a) (Anss Con. 1 2 3 4 5 6 7 7rite Calc	wer any on sider the for A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to culate Comicy. SALE FIRS NEXT	rotocol. Re sub-questio blowing works B TOTAL SALES 85000 63000 248000 125000 260000 75000 mission in columns and columns and columns and columns are columns.	n from a) and b) cheet C COMMISSION Imm C using the f RATE OF COMMISSION 8% 10%	in MS-EX D BONUS following	COMMISSION	
Q3.		a) (Ans Con. 1 2 3 4 5 6 7 7 7 7 7 Calc	wer any one sider the form of	## Sub-question of the color of	n from a) and b) heet C C COMMISSION Imm C using the f RATE OF COMM 8% 10% 12%	in MS-EX D BONUS following	COMMISSION	
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Q3.		a) ii)	Ans Con. 1 2 3 4 5 6 7 7 rite Calc. Pol	wer any on sider the for A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to culate Committee. SALE FIRS NEXT EXCITATION 100 000 000 000 000 000 000 000 000 00	se sub-question in columns in the sub-question in columns works B	n from a) and b) heet C C COMMISSION Imm C using the f RATE OF COMM 8% 10% 12% total sales when	in MS-EX D BONUS Collowing MISSION	COMMISSION	
Q3.		a) ii)	Ans Con. 1 2 3 4 5 6 7 7rite Calc. Pol	wer any on sider the for A NAME KARAN ANITHA SHARAN MEGHA PRATHAM SUHAS steps to culate Committee. SALE FIRS NEXT EXCITATION 100 000 000 000 000 000 000 000 000 00	se sub-question in columns in the sub-question in columns works B	n from a) and b) heet C C COMMISSION Imm C using the f RATE OF COMM 8% 10% 12%	in MS-EX D BONUS Collowing MISSION	COMMISSION	

b) Consider the following worksheet. Write steps to compute Grade and the Division for next year in Column C and D respectively using HLOOKUP function. Policy table to be referred for finding Grade and Division for next year is given in the range G1:J3.

						7 7 7 7 7	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
A	В	С	D	Е	F S	G	Н	1	J
RNO	MARKS	GRADE	DIV	1 3	MARKS	0 🛇	40	70	80
23	86				GRADE	$F \odot$	D	Α	0
32	74				DIV	FAIL	DIV C	DIV B	DIV A
43	34		asa —el		N. C. C. C.	\$100 kg	10386	X 2 2 3 5	0187.50
56	44			20	200			YAYAY IS	10 Yes 3
67	79				(3) X (3) 8	9. T (X		0.43%	
70	98				7.KY2Y2.C	6.50	1. J. K. 12.	\$ 5 C	O er or o
87	77			9.8	SY0.643	N. 30	4868		
	RNO 23 32 43 56 67 70	RNO MARKS 23 86 32 74 43 34 56 44 67 79 70 98	RNO MARKS GRADE 23 86 32 74 43 34 56 44 67 79 70 98	RNO MARKS GRADE DIV 23 86 32 74 43 34 56 44 67 79 70 98	RNO MARKS GRADE DIV 23 86	RNO MARKS GRADE DIV MARKS 23 86 GRADE GRADE 32 74 DIV DIV 43 34 SAME TO	RNO MARKS GRADE DIV MARKS 0 23 86 GRADE F 32 74 DIV FAIL 43 34 FAIL 56 44 FAIL 67 79 FAIL 70 98 FAIL	RNO MARKS GRADE DIV MARKS 0 40 23 86 GRADE F D 32 74 DIV FAIL DIV C 43 34 S S S 56 44 S S S S 67 79 S S S S S 70 98 S S S S S S	RNO MARKS GRADE DIV MARKS 0 40 70 23 86 GRADE F D A 32 74 DIV FAIL DIV C DIV B 43 34 DIV FAIL DIV C DIV B 56 44 DIV C DIV B DIV C DIV B 67 79 DIV C DIV C DIV C DIV B 70 98 DIV C DIV C DIV C DIV B

(B) Answer any *one* sub-question from c) and d) in MS-EXCEL

(7)

c) Consider the following worksheet

	A	BARRASS	C	D	E	F
1	NAME	BASIC SALARY	CITY	DA	HRA	GROSS
2	ANITA	18650	MUMBAI	187.67	9,85	
3	SACHIN	29300	PUNE		527	
4	SUNIL	61000	HYDERABAD	N. 60 .60		
5	NIRMAL	50500	MUMBAL	9333		8
6	ALPA	40000	PUNE	(\$'.\$\dot\)		4

Write steps to compute the following:-

- i) DA as 125% of basic salary whenever the basic salary is 30,000 or less otherwise as 135% of the basic salary.
- ii) HRA is 25000 for "Mumbai" city and 18000 for other cities.
- iii) Gross = Basic Salary + DA + HRA

d) Consider the following worksheet showing the electricity consumption in a building

	andine		13 W. Ch.	025 Co. 40 (4) (4) (4)					
	A	В	C	DOSSO	Е	F	G	Н	I
1	FLAT NO.	UNITS	RATE	UNIT CONSUMPTION CHARGES	FIXED	BILL		UNITS	RATE
2	101	50	W. S.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	65			0	2.60
3	102	120		N. S.	90			100	5.62
4	201	600	N.Y.G	*	300			300	7.20
5	201	340			150			500	8.95
6	301	245	1074		90				
7	302	700	8,64		300			2	
8	401	45			65				

Write steps to compute the following

- i) Find Rate using VLOOKUP function. Policy table to be referred is in the range H2:I5
- ii) Calculate Unit Consumption Charges in column D where Unit Consumption

Charges = Units * rate

iii)Bill = Unit Consumption Charges + fixed charges

Q4. (A) Answer any one sub-question from a) and b) in MS-EXCEL

(8)

a) The following table shows the shipment forecast of tablets, laptops and Desktop PCs worldwide for the year 2015, 2016, 2017and 2018.

A PRODUCT 1 DESKTOP 2 LAPTOPS 3 TABLETS 4 TOTAL	2015 113.6 163.1 208	2016 103.3 156.8 174.9	D 2017 97.8 161.6 163.7	E 2018 94.4 162.3 150.3
---	-------------------------------	---------------------------------	-------------------------------------	-------------------------

- i) Find the total product shipped in the year 2015,2016,2017,2018 in the
- ii) Create 3-D Bar chart for the above data.
- iii) Create a Line diagram for the year 2015 and 2018
- iv) Create a Pie chart for the year 2017.
- The following worksheet contains the Price Per Unit and quantity sold of some products in a year. Write steps to calculate Total Sales in column D

For the company to break even, it has to achieve a Grand Total Sales of Rs. 18, 00, 000 in a year. Using solver, find out the number of units of each of these three products that should be sold in order to meet the desired

Where Total Sales=Price*Quantity and Grand Total Sales=Sum of D2 to

A B 1 PRODUCT NAME PRI 2 PEN DRIVE 450 3 CHARGER 500 4 MOUSE 650 5 GRAND TOTAL	C QUANTITY 100 125 250	D TOTAL SALES
--	------------------------	------------------

Q4. (B) Answer any one sub-question from c) and d) in MS-EXCEL c)

(7)

1		l B		d) in MS-EXCEL kcel worksheet	
4	NAME		L	D	E
2	MUKUND	GENDER M	AGE	CITY	SALES
3	RAVEENA	F	25	SURAT	498000
1	SNEHA	F	23	NASIK	575000
	PRAVEEN	M	26	CHENNAI	378000
	VILAS	M	29	NASIK	600000
20	ANIKET	M	32 27	KOLKOTA NAGPUR	645000

Write steps to

- (i) Display only those rows where the sales is less than 40000.
- (ii) Display only those rows where the gender is "M".
- (iii) Display only those rows where the city name starts with "N". Page 4 of 5

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- d) Explain the following functions in MS-EXCEL.

 1) DAY() 2) NOW() 3) YEAR() 4) DAYS360()

 5) CORREL() 6) COUNTA() 7)LARGE()
- Q5. (A) Answer any *one* sub-question from a) and b) in VISUAL BASIC (8)
 - a) Write a project in VB to design a suitable form which allows the user to enter Amount in Dollars and Rate of Conversion to Rupees and then calculate and display equivalent amount in Rupees.
 - b) Write a project in VB to design a suitable form which allows the user to enter Name and Basic Salary and calculate DA as 95% of Basic Salary whenever basic salary is less than 45000 otherwise 110% of Basic Salary using a 'Calculate' button and display the result.
- Q5. (B) Answer any *one* sub-question from c) and d) in VISUAL BASIC (7)

 Write a project in VB to design a suitable form which allows the user to enter Product Name, Quantity Sold and Price per Unit of a product and then calculates and displays the Total Cost (Total Cost = Quantity Sold * Price per Unit)
 - d) Write a project in VB to design a suitable form which allows the user to enter an integer and calculate and display the factorial of that integer when the "Calculate" button is clicked.

 (Factorial of N = 1*2*3-----*N)
