

Note : All questions are compulsory

- Q 1 A** Attempt any Two sub questions from a),b) & c) in MS-Excel. 2
(True or False)
a The logical function OR return the value FALSE if any one condition is FALSE.
b AVERAGEIF function cannot ignore non-numerical data in a range while calculating the average
c A graph can be created only through the Insert -> Chart option.
- B** Attempt any Two sub questions from d),e) and f) in Visual Basic. 2
(Multiple Choice)
d What is the final Keyword used to indicate the end of a sub procedure
 1) Exit sub 2) End sub 3) End 4) Close
e _____ contain the control ,which can be used in the creation of a form
 1) Menu 2) Tool Box 3) Tool Bar 4) Project
f _____ are the basic building block VB application
 1) Forms 2) projects 3) Events 4) Control
- C** Attempt any Six sub questions from g),h),i),j),k),l),m),n), and o) in E-Commerce. 6
(True or False)
g Trade cycle in E-commerce is the same as in traditional commerce.
h In E-Commerce Ubiquity refers to Universal Standard.
i Ebay.com is an example of C2C E-Commerce.
j EDI does not require printed order and invoice.
k M-Commerce means buying and selling of goods and services using a laptop.
l Digital signature is used to authenticate the identity of a person involved in E-Commerce
m E-tailer is an online store.
n Hacking of credit card and password is possible in E-Commerce.
o Banners and sponsorship are example of subscription revenue model.
- D** Attempt any Five sub questions from p),q),r),s),t),l),u),v), and w) in E-Commerce 5
(Multiple Choice)
p The online credit card transaction can be said to consist of three major parts:
 a) Authorization b) Request for funds c) Fund transfer d) All of the above
q In E-Commerce, to authenticate the sender of message we use
 a) Digital signature b) Privacy protocol c) Digital sending d) Digital protocol
r The Full form of WAP in the E-Commerce is Wireless _____ Protocol.
 a) And b) App c) Application d) Area
s The most Commonly used form of payment in E-Commerce is
 a) Credit card b) PayPal c) Petro Card d) Digital Cash

- t Visual Basic controls are _____
 a) Code b) Part of menu c) Rules d) Objects
- u The full form of SSL in E-Commerce is _____
 a) Secure Socket Layer b) Secure Socket Loop c) Secure Socket Locket d) Secure Socket Liaison
- v Buy and selling products on the internet is called _____
 a) EDI b) E-Commerce c) E- Business d) M-Commerce
- w Criminally acquiring password is called _____
 a) Encryption b) Hacking c) Decryption d) Public key

- Q 2 A Attempt any one sub questions from a) & b) in E-Commerce 8
 a Explain the Feature of E-Commerce
 b Explain Digital Signature in E-Commerce Security
- B Attempt any one sub questions from c) & d) in E-Commerce 7
 c What are the Limitations of E-Commerce?
 d Explain how online credit card work.

- Q 3 A Answer any one sub question from a) and b) in MS-Excel 8
 a The following data has been entered in a worksheet

	A	B	C	D	E
1	Customer Name	Item	Qty. Purchased	Unit Price	Total Amount
2	Lalit Solution	Desktop	10	5000	
3	Lalit Solution	Printer	2	15000	
4	Rubi Pvt Ltd	Keyboard	14	560	
5	Noha Ltd	Mouse	15	250	
6	Lalit Solution	Desktop	5	5000	
7	Max Services	Keyboard		560	
102	-----	----	----	----	----
103	Total billing amount of Max Services				
104	Total billing amount for Keyboard				
105	Total no. of Desktops Purchased				

Write steps for the following:

- Total amount in column E
- Total billing amount of Max Services in cell B103
- Total billing amount for Keyboard in cell B104
- Total no. of Desktops Purchased in column B105

b The following data has been entered in a worksheet

	A	B	C	D	E
1	Name	Sales	Commission	Bonus	Total Income
2	Anita	15000			
3	Sachin	25000			
4	Sunil	80000			
5	Rahul	18000			

Write the steps to compute the following

- 1) Commission as 2% of sales for sales up to 25000, 3% on the sales for sales above 25000 and up to 40000 and 5% on the sales for sales above 40000.
- 2) Bonus as 8% for sales above 50000 whenever the sales are above 65000 otherwise bonus is zero.
- 3) Total Income as the sum of commission and bonus.

B Answer any one sub question from c) and d) in MS-Excel

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c Consider the following using spreadsheet

	A	B	C	D	E	F	G
1	Name	Basic	HRA	DA	Gross Salary	Tax	Net Salary
2	Anil	50000					
3	Sachi	35000					
4	Sushil	24000					
5	Rasik	16000					

Write the steps to compute the following

1. HRA as 30% of Basic salary whenever the basic salary is more than 40000 otherwise HRA is 10000.
2. DA as 10% of basic salary or 5000 whichever is less
3. Gross Salary as the total of Basic, HRA and DA
4. Tax as 5% of Gross salary if gross salary is above 40000 otherwise nil
5. Net Salary = Gross Salary – Tax

d The following worksheet shows the marks obtained by students out of hundred

	A	B	C	D	E	F	G	H	I
1	Name	Law	FC	A/c	Eco	Adv	Total	Remark	Grade
2	Sunnay	76	78	54	45	65			
3	Arham	45	56	45	42	84			
4	Sarah	36	85	89	65	54			
5	Alex	25	45	25	78	47			
6	Kumar	45	25	14	45	54			

Write the steps to obtain

1. Total marks in column G
2. Remark in column H as PASS if student scores 35 and above in all subjects otherwise FAIL

3. Grade for passed students in column J using the following criterion
(*Grade for failed students is NA)

Percentage	Grade
>=60	A Grade
<60 but >=45	B Grade
<45 but >=35	C Grade

Q 4 A Answer any one sub question from a) and b) in MS-Excel

a

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

	A	B	C	D	E
1	Product	2015	2016	2017	2018
2	Desktop	113.6	103.3	97.8	94.4
3	Laptop	163.1	156.8	161.6	162.3
4	Tablet	208	174.9	163.7	150.3
5	Total				

Write the steps to

- Find the total product shipped in the year 2015, 2016, 2017, 2018 in the cells B5, C5, D5 and E5.
 - Create 3-D Bar chart for the year 2015, 2016, 2017, 2018.
 - Create a Line diagram for the year 2015 and 2018
 - Create a Pie chart for the year 2017.
- b The following Excel worksheet contains the Sale Price Per Unit, and Units sold of some products in a year.
Write steps in Excel to calculate Total Sales in column D and Grand Total in D5.
For the company to break even, it has to achieve a total sale 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 target sale.
Where Total Sales=Price*Quantity and Grand Total= Sum of D2 to D4

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

- B Answer any one sub question from c) and d) in MS-Excel 7
 c The following data has been entered in a Excel worksheet

	A	B	C	D	E
1	NAME	GENDER	AGE	CITY	SALES
2	Mukund	M	25	SURAT	498000
3	Shabana	F	23	NASIK	575000
4	Mumtaz	F	26	CHENNAI	378000
5	Parveen	M	29	NASIK	600000
6	Vilas	M	32	KOLKOTA	645000
7	Anil	M	27	NAGPUR	792565

Write steps in Excel to

- (i) To display only the rows where the sales is less than 40000.
- (ii) To display only the rows where the gender is "M".
- (iii) To display only the rows where the city name starts with "N".

- d Explain the following functions in MS-EXCEL.
 1) DAY() 2) NOW() 3) YEAR() 4) DAYS360()
 5) CORREL() 6) COUNTA() 7) LARGE()

- Q 5 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 Basic Salary and calculates and displays the Bonus where bonus is 20% of basic salary for basic salary up to 150000 and otherwise bonus is 15% of basic salary.
- b Write a project in VB to design a suitable form which allows the user to enter length of a rectangle and breadth of the rectangle and then calculates and displays the area of the rectangle (Area=length X Breadth)

- B Answer any one sub question from c) and d) in Visual Basic 7

- c Write a project in VB to design a suitable form which allows the user to enter two numbers and displays the larger of these two numbers.
- d Write a VB project to accept a number from the user and calculate its factorial. Print factorial in message box.