Duration: 2 Hours 30 min   **Max Marks: 75**

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 default cell reference is absolute reference.

   b   The LEN () function does not include spaces while calculating the length of a string

   c   WEEKDAY () returns the day of the week such as "Sun", "Mon", Etc

  B   Attempt any Two sub questions from d),e) and f) in Visual Basic   **2**
(Multiple Choice)

   d   VBP means _____

     1. Visual Binary   2.Very Basic   3. Visual Basic   4. Visual Basic
     Project   Project   Project   Property

   e   The prefix for naming a menu item in VB is

     1) m   2) Mnu   3) men   4) mne

   f   _____are the basic building block of Visual Basic Application

     1. Forms   2. Method   3. Events   4. Controls

  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   E-commerce means buying and selling of products or services by business or consumer over the internet.

   h   In C2C E-Commerce consumer transact with other consumer through a physical market.

   i   The volume of B2B transaction being done is more than B2C transaction

   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.

   l   The cost of the products sold through E-Commerce is very high

   m   In the subscription model a fee is charged to the user for having access to material on the website

   n   Decryption means converting readable text into cipher text.

   o   EDI stand for electronic data interchange.

  D   Attempt any Five sub questions from p),q),r),s),t),u),v), and w) in E-Commerce   **5**
(Multiple Choice)

   p   A computer-to-computer exchanges of business transaction is called

     a) EDI   b) E-Commerce   c) E-Business   d) E-Market

   q   The model in E-Commerce where companies earn revenue by referring users to other websites providing products/services is called _____ model.

     a) Advertising   b) Affiliation   c) Sales   d) Transaction

   r   Conversion of coded data into readable data is called

     a) De-Conversion   b) Décryptions   c) Encryptions   d) Password

   s   The most commonly used form of payment in E-Commerce is

     a) Credit Card   b) Pay Pal   c) Petro Card   d) Digital Cash

   t   The full form of HTTP in E-Commerce is Hyper Text _____ protocol

     a) Travel   b) Topology   c) Transmit   d) Transfer

u The full form of SET is _____
- a) Secure Electronics Tax
- b) Secure Electronic transaction
- c) Secure Electronics Tunnel
- d) Secure Electronics Territory

v Commercial transaction done with the help of cell phone is called
- a) M-Commerce
- b) M-Business
- c) E-Commerce
- d) E-Business

w Yahoo.com is a _____
- a) Portal
- b) Protocol
- c) Email
- d) E-Tailor

Q 2 A Attempt any one sub questions from a) & b) in E-Commerce   8
    a. Explain any four Revenue Model in E- Commerce
    b Explain various payment system in E- Commerce

B Attempt any one sub questions from c) & d) in E-Commerce   7
    c. Explain B2B and C2C models in E-Commerce
    d. Explain Encryption and Decryption in Commerce

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	D	E	F	G	H	I	J
1	Name	Eco	A/c	Comp	Export	Tax	Total Marks (500)	Average Marks	Grade
2	Sunny	76	98	54	15	65			
3	Arham	45	54	45	12	84			
4	Sarah	36	56	89	65	54			
5	Alex	25	54	25	78	47			
6	Kumar	45	12	14	45	54			

Write the steps to obtain
1. Total Marks
2. Average marks
3. Grade which is decided as per the following criteria.

Average	Grade
>=60	A
<60 but >=45	B
<45 but >=35	C
<35	Fail

b. Answer the following using give spreadsheet.

	A	B	C	D	E
1	Salesman Name	Sales Amt	Commission	Bonus	Total = Commission+ Bonus
2	Rachit	55000			
3	Anish	45000			
4	Sunil	64000			
5	Rahul	35000			

Write the steps to compute
i. Commission in Column C as 5% of the sales amt
ii. Bonus in Column D as follows:

Sales Amt	Bonus
Up to 50000	5%
> 50000	8%

iii. Total in column E.

B   Answer any one sub question from c) and d) in MS- EXCEL   7
c. Answer the following using the given spreadsheet.

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

Write the steps to compute the following
1. HRA in column C as 30% of Basic salary whenever the basic salary is 30000 or less otherwise as 40% of the basic salary.
2. DA in column D as 50% of basic salary.
3. Tax in column E as 10% of Basic
4. Net Salary in column F as Basic + HRA+ DA – Tax

d. Answer the following using spreadsheet.

	A	B	C	D	E
1	Name	Taxable Income	Income Tax	Surcharge	Total Tax
2	Rachit	555000			
3	Anish	1200000			
4	Sunil	640000			
5	Rahul	1350000			
6	Nishin	750000			

Write the steps to obtain the

1) income tax in columns C
2) Surcharge in columns D and
3) Total tax in column E. where income tax is calculated as follows.

Taxable Income	Income Tax
First 250000	Nil
Next 250000	5%
Next 500000	10%
Excess	20%

Surcharge is calculated @1% of the income tax and is applicable only to those whose incomes exceed 1000000 otherwise it is zero.

Q 4 A Answer any one sub question from a) and b) in MS- EXCEL   8

a. The following data is entered in a worksheet regarding rainfall in three months (in mm)

	A	B	C	D	E
1	City	Oct	Nov	Dec	
2	Pune	50	35	40	
3	Thane	40	45	20	
4	Nashik	30	50	30	
5	Dhule	10	55	60	

Write the steps

i) To find the total rainfall in each city in the cells E2 to E5.
ii) To create 2-D Column chart for Oct , Nov and Dec.
iii) To create Pie chart for the rainfall in Pune in Oct, Nov and Dec
iv) To create Line chart for the rainfall in Oct and Dec.

b. The following data has been entered in a worksheet.

	A	B	C	D	E	F
1	PRODUCT	COST PRICE	QTYSOLD	SELLING PRICE	PROFIT	
2	TV	25000	60	32000		
3	Washing Machine	15000	29	20000		
4	Refrigerator	21000	35	2750		
5	Microwave	9750	24	12500		
6						
7	Total profit					

Write steps to find the Total Profit in B7.

B   Answer any one sub question from c) and d) in MS- EXCEL   7

c.The following data has been entered in a worksheet

A	B	C	D
Emp_No	Name	Dept	Salary
P21	Shruti	HR	55000
P32	Vikas	Admin	60000
S11	Amita	Sales	40000
A12	Shyam	HR	30000
S13	Kashish	HR	35000
S14	Radhe	Sales	25000

Write steps to do the following: -

i)   Display only those rows where the Salary is more than 50,000.

ii) Display only those rows where the Salary is more than 25,000 but less than '40,000.

iii) Display only those rows where the Department is "HR".

d. Explain the following functions in MS-EXCEL.

1) SUMIF()   2) LEN()   3) MONTH()   4) YEAR

(5) PROPER()   6) UPPER()   7) TIME()

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 length of a rectangle and breadth of the rectangle and then calculates and displays the area of the rectangle   (Area = Breadth X Length)

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 35% of Basic Salary whenever basic salary is less than 35000 otherwise 40% of Basic Salary using a 'Calculate' button and display the result.

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 project in VB to compute and display the sum of the series.

1+2+3+....+10

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