

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 Project 2. Very Basic Project 3. Visual Basic Project 4. Visual Basic 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

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
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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

- To find the total rainfall in each city in the cells E2 to E5.
- To create 2-D Column chart for Oct , Nov and Dec.
- To create Pie chart for the rainfall in Pune in Oct , Nov and Dec
- 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	QIYSOLD	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
<u>P21</u>	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.

$$1+2+3+\dots+10$$
