

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
$\geq 60$	A
$< 60$ but $\geq 45$	B
$< 45$ but $\geq 35$	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.

<b>Taxable Income</b>	<b>Income Tax</b>
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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.

**Q4 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	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.

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

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