

3/4/24 TYBsc II Regular

Max Marks: 75

Duration: 2 1/2 Hours

Note : All questions are compulsory

- Q 1 A** Attempt any Two sub questions from a),b) & c) in MS-Excel (True or False) 2
- a) A name range uses absolute references
  - b) Data can be Stored in only one column
  - c) NOW () function returns only the current system time.
- B** Attempt any Two sub questions from d),e) and f) in Visual Basic (Multiple Choice) 2
- d** In VB Project, the form design is carried out in the \_\_\_\_\_ window
1. Properties                      2. Tool Box                      3. Project Explorer                      4. Form
- e** Visual Basic Code is written in \_\_\_\_\_
1. Sub procedure                      2. Functions                      3. Form                      4. Routines
- f** A control named "cmdExit" is most likely a \_\_\_\_\_
1. Command Button                      2. Label                      3. Form                      4. Image
- C** Attempt any Six sub questions from g),h),i),j),k),l),m),n), and o) in E-Commerce (True or False) 6
- g) Ubiquity is a feature of E-Commerce
  - h) Smart Card cannot be used in E-Commerce
  - i) E-tailers are not direct sellers
  - j) Naukari.com is an example of both B2B & C2C
  - k) EDI is paperless transfer of data
  - l) Private Key encryption requires two keys
  - m) E-Commerce is available 24X7
  - n) An SSL does not provide confidentiality
  - o) Conversion of data in to code is called Hacking
- D** Attempt any Five sub questions from p),q),r),s),t),u),v), and w) in E-Commerce (Multiple Choice) 5
- p** P2P in E-Commerce refers to
- a) Public to Public    b) Peer to Peer    c) Public to Peer    d) Public to Private
- q** What type of technology scrambles the contents of files sent via internet
- a) Encryption    b) Digital Signature    c) SSL    d) HTTPS
- r** Criminally acquiring password is called \_\_\_\_\_
- a) Encryptions    b) Décryptions    c) Hacking    d) Firewall
- s** Commercial transaction done with the help of cell phone is called \_\_\_\_\_
- a) E-Commerce    b) M- Commerce    c) E-Business    d) Amazon.com
- t** A computer to computer exchange of business transaction is called \_\_\_\_\_
- a) E-Business    b) Supe Market    c) EDI    d) E-Market
- u** In \_\_\_\_\_ E-Commerce the consumer deals with each other
- a) C2C    b) B2C    c) B2B    d) P2P
- v** The full form of WAP in E-Commerce is Wireless \_\_\_\_\_ Protocol
- a) Travel    b) Topology    c) Transmit    d) Transfer
- w** Google .com is a \_\_\_\_\_
- a) Portal    b) Protocol    c) Email    d) Search Engine



- Q 2** **A** Attempt any one sub questions from a) & b) in E-Commerce **8**  
**a** What are the Business Models in E- Commerce?  
**b** Write briefly the Digital Signature in E- Commerce
- B** Attempt any one sub questions from c) & d) in E-Commerce **7**  
**c** Explain features of E-Commerce  
**d** Discuss E-Commerce Security
- Q 3** **A** Answer any one sub question from a) and b) in MS-Excel **8**  
**a** Answer the following using give spreadsheet

	A	B	C	D
1	Name	Department	Bonus	
2	Arham	Admin	28000	
3	Mahmood	Sales	18500	
4	Mnoj	Accounts	254000	
5	Suraj	Sales	8500	
6	kalvin	Admin	56400	
7	Rahul	Store	8900	

Write the steps Total Marks

- To display only those rows where Bonus is below 20000
  - To display only those rows where Bonus is 20000 or more but less than 30000
  - To display all the rows where Name does not contains "A"
- b** Answer the following using give spreadsheet.

	A	B	C	D
1	Item	Cost		
2	Machinery	60000		
3	Carriage	8000		
4	Transport	30000		
5	Office Equipment	6000		
6	Postage	8500		
7	Misc	4000		
8	generator	6500		
9	Total	123000		

Prepare Scenario where there is an increase as follows

- Machinery increases to 80000, carriage increases to 9000 and postage increases to 9000
- Carriage increases to 10000, office equipment increase to 7000 and postage increase to 9000

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

	A	B	E
1	Name	Taxable Income	Income Tax
2	Narain	120000	
3	Mohan	350000	
4	Abdul	320000	
5	Ramesh	520000	



Write the steps to compute Income Tax using the following rate

Taxable Income	Income Tax
First 250000	NIL
Next 100000	12%
Excess	20%

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			

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 300000

Nil

Next 20000

10%

Surcharge is calculated @1% of the income tax and is applicable only to those whose incomes exceed 500000 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 Expenses (in Rs) during January, February and March

	A	B	C	D
1	Item	Jan	Fab	March
2	Food	112000	120000	130000
3	Clothing	6500	8500	9200
4	House Rent	10000	8000	9000
5	Mislce	14000	13500	12300

Write the steps

- i) To find the total Expenses in each month in the cells B6,C6 and D6
- ii) To create 3-D Bar chart for the expenses of January, February and March
- iii) To create Pie chart for the month of February.
- iv) To create Line chart for the month of January and February.

b The following data has been entered in a worksheet.

	A	B	C	D
1	Name	Sales Amount	Discount	Net Price
2	Mohan	50000		
3	Meraj	65000		
4	Sunil	35000		
5	George	42000		
6	Arham	84000		
7	Sarah	92000		



Write the steps to

- 1) Calculate Discount in column C using the following discount policy

Sales Amount	Rate of Discount
First 25000	6%
Next 2500	9%
Excess	12%

- 2) Calculate Net-Price in column D  
(Net Price = Sales Amount- Discount)

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

- c The following data has been entered in a worksheet

	A	B	C	D	E	F	G
1	Roll No	Name	Test1	Test2	Test3		
2	1	Manoj	58	56	24		
3	2	Sarah	75	72	35		
4	3	Arham	63	45	67		
5	4	Shabana	45	67	58		
6	5	Amit	65	45	59		
7	6	Joseph	89	25	42		

Write steps to -

- i) Compute the total marks in column F  
ii) Find result in Column G where result is PASSED when total marks are 120 or more otherwise result is FAIL less than 40,000.  
iii) Find number of students whose total marks are above 150 in H2

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

- 1) Fixed()      2) Weekday()      3) Today()      4) Correl()  
(5) Large()      6) Lower()      7) CountA()

**Q5 A** Answer any one sub question from a) and b) in Visual Basic

**a** Write a project in VB to design a suitable form which allows the user to enter two numbers and display their Sum.

**b** Write a project in VB to design a suitable form which allows the user to enter Salary and Calculate and display the DA which is 70% Salary

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

**c** Write a project in VB to design a suitable form which allows the user to enter an integer 10 and calculate and display the factorial of the integer 10 ( Factorial of 10 =1\*2\*3.....\*10)

**d** Write a project in VB to compute and display the sum of odd number from 11 to 30

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