

April 2018

TYBCom VI Sem

Com

Q. P. Code : 33276

(2½ Hours)

[Total Marks: 75]

- Note: 1) All questions carry equal marks and are compulsory.
2) Figures to the right indicate maximum marks for a question.

Q1. (A) Attempt any **two** sub-questions from a), b) and c) in MS-EXCEL (2)
(True or False)

- a) The size of chart can be changed.
- b) A template has the file name extension .XLTX
- c) A workbook can contain maximum three worksheets.

(B) Attempt any **two** sub-questions from d), e) and f) in VISUAL BASIC (2)
(Multiple Choice)

- d) In a VB project, the form design is carried out in the _____.
1) Properties 2) Tool Box 3) Project Explorer 4) Form Window
- e) Visual Basic controls are _____.
1) code 2) part of the menus 3) rules 4) objects
- f) _____ is a valid object name for a text box.
1) TxtClass 2) Txt Class 3) Txt+class 4) TextClass

(C) Attempt any **six** sub-questions from g), h), i), j), k), l), m), n), o) in (6)
E-Commerce. (True Or False).

- g) Traditional commerce is more reliable than E-Commerce.
- h) Non-repudiation refers to non-denial of E-commerce transactions.
- i) Portals earn revenue from advertising and referral fees.
- j) Encryption is a process of converting cipher text to plain text.
- k) Integrity in E-Commerce ensures that data is not altered during transmission.
- l) In E-Commerce only credit cards can be used for making payments.
- m) In public Key encryption there is only one key.
- n) Hacking of credit cards and password is possible in E-Commerce.
- o) Digital cash is the electronic parallel of notes and coins.

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

- p) A Computer to Computer exchange of business transaction is called _____.
A) E-Business B) Super Market C) EDI D) E-Market
- q) In _____ E-Commerce the consumers deals with each other.
A) C2C B) B2C C) B2B D) C2B
- r) It is a convention that all sites that use SSL connection while making a secure connection use _____ instead of HTTP.
A) SMTP B) HTTPS C) FTP D) TCP/IP
- s) The most commonly used form of payment in E-Commerce is _____.
A) Credit Card B) PayPal C) Petro Card D) Digital Cash

- t) In online stored value systems, cards that have embedded chips that store personal information is called _____.
 A) Debit Card B) Smart Card C) Credit Card D) Ideal card
- u) The full form of WAP in E-Commerce is Wireless __ Protocol.
 A) And B) App C) Application D) Area
- v) The full form of HTTP in E-Commerce is Hyper Text _____ Protocol.
 A) Travel B) Topology C) Transmit D) Transfer
- w) The full form of P2P in E-Commerce is _____.
 A) Peer to Peer B) Person to Person
 C) Peer to Person D) Person to Peer

Q2. (A) Answer any **one** sub-question from a) and b) in E-Commerce. (8)

a) Explain the features of E-Commerce.
 b) Explain any four Revenue models in Ecommerce.

(B) Answer any **one** sub-question from c) and d) in E-Commerce (7)

c) Explain any four advantages of E-Commerce.
 d) Explain SET protocol.

Q3. (A) Answer any **one** sub-question from a) and b) in MS-EXCEL (8)

a) Consider the following worksheet

	A	B	C	D	E
1	NAME	DEPARTMENT	SALARY	DA	HRA
2	SUNITA	IT	85000		
3	BINA	SALES	75000		
4	PRAKASH	ACCOUNTS	50000		
5	JAY	HR	65000		
6	NITIN	SALES	35000		
7	REENA	ACCOUNTS	28000		

Write steps to obtain

- i) DA as 125% of the Basic if Basic is more than 40,000 otherwise 110% of the Basic in column D.
 ii) HRA as 24% of the Basic whenever Basic is below 30,000 otherwise 20% of the Basic in column E.
 iii) Find number of cells where the Department is 'SALES' in cell C10.

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

	A	B	C	D
1	NAME	SALES AMOUNT	DISCOUNT	NET PRICE
2	SAMIRA	50000		
3	SAIRA	60000		
4	NASIR	20000		
5	NITIN	30000		
6	SARITA	100000		
7	ADIL	75000		

Write steps to

- i) Calculate Discount in column C using the following Discount Policy.

Sales Amount	Rate of Discount
First 25,000	6%
Next 25,000	9%
Excess	12%

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

(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	E	F	G
1	PRODUCT	QUANTITY	PRICE	TOTAL COST		PRODUCT	PRICE
2	OIL	1				LUX	45
3	KITKAT	4				DOVE	50
4	TEA	1				PEARS	44
5	SUGAR	2				HAMAM	25
6	PEARS	5				DETTOL	35
7	NESCAFE	6				LIRIL	40
8						KITKAT	20
9						NESCAFE	78
10						TEA	110
11						SUGAR	60
12						OIL	125

Write steps to find the Price in column C using VLOOKUP function. Table to be referred for finding the Price per unit is given in the range F2:G12. Also find Total Cost in Column D.
(Total Cost = Price * Quantity)

- d) Consider the following worksheet

	A	B	C	D	E	F
1	ROLL NO.	TEST1	TEST2	TEST3	AVERAGE	RESULT
2	A44	56	49	55		
3	A54	76	87	65		
4	A58	74	70	70		
5	A60	87	54	67		
6	A61	35	40	36		

Write steps to

- i) Calculate Average marks in column E.
ii) Find the result in Column F, where result is "Pass" when Average marks are 40 or more otherwise "Fail".
iii) Find number of students whose Average marks are more than or equal to 70 in cell E8.

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 the stocks during January, February and March.

	A	B	C	D	E
1	ITEM	JAN	FEB	MAR	TOTAL
2	PENCIL	4000	4200	4500	
3	PEN	3000	3000	3100	
4	NOTE BOOK	2000	1800	1800	
5	WRITING PAD	1000	1100	1200	

Write steps to

- i) Find the total stock of each product in the cells E2, E3, E4 and E5.
- ii) Create 3-D Bar chart for the data.
- iii) Create a Pie chart for the month of March.
- iv) Create a Line diagram for Jan and March.

- b) The following table shows Quantity, Cost Price per unit (CPRICE) and Selling Price per unit (SPRICE).

	A	B	C	D	E	F	G
1	PRODUCT	QTY	CPRICE	SPRICE	COST	SALES	PROFIT
2	PRODUCT 1	200	100	123			
3	PRODUCT 2	240	75	120			
4	PRODUCT 3	430	28	60			
5	PRODUCT 4	120	45	70			
6	PRODUCT 5	320	40	55			
7	PRODUCT 6	230	50	65			
8	PRODUCT 7	250	65	80			

Write steps in Excel to calculate Cost in column E, Sales in column F, Profit in column G and Total Profit in G9 respectively. Write steps in Excel using Solver to find what the cost per unit should be in order to achieve the Total Profit of 75,000.

(COST= QTY*CPRICE
 SALES=QTY*SPRICE
 PROFIT =SALES-COST)

- Q4. (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
1	SNO	NAME	CITY	SALES AMOUNT
2	S001	AJAY	MUMBAI	35000
3	S002	POOJA	PUNE	55000
4	S003	AJIT	MUMBAI	42000
5	S004	JAY	BANGALORE	50000
6	S005	RITA	PUNE	52000
7	S006	SAMIR	MUMBAI	75000
8	S007	NEHA	BANGALORE	60000

Write steps to do the following:-

- i) Display only those rows where the City is 'Bangalore'.
 - iii) Display only those rows where Sales Amount is below average Sales Amount.
 - ii) Display only those rows where the Sales Amount is more than 48,000 but less than 70,000.
- d) Explain the following functions in MS-EXCEL.

- 1) DATE()
- 2) COUNTBLANK()
- 3) LARGE()
- 4) NOW()
- 5) SMALL()
- 6) MONTH()
- 7) WEEKDAY()

- Q5. (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 a number and calculate and display whether the number is divisible by 7 or not.
- b) Write a project in VB to design a suitable form which allows the user to enter Name and Basic Salary and calculate Bonus as 45% of Basic Salary whenever basic salary is less than 25000 otherwise 40% of Basic Salary using a 'Calculate' button and display the result.

- Q5. (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 length of a side of a square and then calculate and display area and perimeter of the square.
(Area= Side*Side
Perimeter= 4*Side)
- d) Write a project in VB to design a suitable form which allows the user to enter an integer and calculate and display the factorial of that integer when the "Calculate" button is clicked.
(Factorial of N= 1*2*3-----*N)
