

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw neat diagrams wherever necessary.

Examination:

REGULAR

- Q.1**
- A.** Attempt any **two** sub-question from (a), (b) & (c) in MS-EXCEL. (True / False) [02]
- (a) The result of a logical formula is a numeric value.
 - (b) A function must not contain another function in its argument.
 - (c) The LEN() function does not include spaces while calculating the length of a string.
- B.** Attempt any **two** sub-question from (a), (b) & (c) in Visual Basic. (Multiple Choice) [02]
- (d) In VBProject, the form design is carried out in the window.
 - (a) Properties
 - (b) Tool Box
 - (c) Project Explorer
 - (d) Form
 - (e) _____ is the final keyword used to indicate the end of a sub Procedure.
 - (a) Exit Sub
 - (b) End Sub
 - (c) Exit
 - (d) Quit
 - (f) The prefix for naming a Command Button in VB is _____.
 - (a) Cmd
 - (b) Cd
 - (c) command
 - (d) Com
- C.** Attempt any **six** sub-question from (g), (h), (i), (j), (k), (l), (m), (n) & (o) in E-commerce. (True / False) [06]
- (g) The cost of the products sold through E-Commerce is very high.
 - (h) EDI stands for electronic data interchange.
 - (i) Integrity refers to the almighty to determine the origin of the message received over the Internet.
 - (j) Secure Socket Layer is a protocol developed by Netscape for the security of the data in a transit.
 - (k) The full form of WAP is Wireless Associate Protocol.
 - (l) Ubiquity is a feature of E- Commerce
 - (m) Decryption means converting readable text into cipher text.
 - (n) Private Key encryption requires two keys.
 - (o) M-Commerce means buying and selling of goods and service using a laptop.
- D.** Attempt any **five** sub-question from (p), (q), (r), (s), (t), (u), (v) & (w) in E-commerce. (Multiple Choice) [05]
- (p) A Computer-to-Computer exchange of business transaction is called-
 - (a) Business
 - (b) Super Market
 - (c) EDI
 - (d) E-Market
 - (q) The Maximum number of the transaction done in E-Commerce -
 - (a) B2B
 - (b) C2B
 - (c) B2C
 - (d) C2C
 - (r) Commercial transaction done with the help of cell phone is called
 - (a) M-Commerce
 - (b) M-Business
 - (c) E-Commerce
 - (d) E-Business

- (s) The sender and receiver will have the same key in _____ Key encryption.
- (a) Symmetric (b) Asymmetric
(c) Public (d) Private
- (t) Online action is a type of _____.
- (a) B2B (b) C2B
(c) B2C (d) C2C
- (u) Criminally acquiring password is called
- (a) Encryptions (b) Decryptions
(c) Hacking (d) Firewall
- (v) Google .com is a _____.
- (a) Portal (b) Protocol
(c) Email (d) Search Engine
- (w) In _____ E-Commerce the consumer deals with each other.
- (a) C2C (b) B2C
(c) B2B (d) P2P

Q. 2 A. Attempt any one sub-question from (a) & (b)

(a) Explain features of E-Commerce.

[08]

OR

(b) Explain B2C and C2C models in E- Commerce.

Q. 2 B. Attempt any one sub-question from (c) & (d)

(c) What is M-commerce? What are its applications?

[07]

OR

(d) Explain Encryption and Decryption in Commerce.

Q. 3 A. Attempt any one sub-question from (a) & (b)

(a) Consider the following worksheet showing the electricity consumption in a building

[08]

	A	B	C	D	E	F	G	H	I
1	Flat	unit	rate	Unit of consumption	Fixed	Bill		Unit	Rate
2	101	50			56			0	2.60
3	102	120			86			100	5.62
4	103	600			88			300	7.20
5	104	340			100			500	8.95
6	201	245			120				
7	202	700			155				
8	203	45			182				

Write steps to compute the following

i) Find Rate using VLOOKUP function.

Policy table to be referred is in the range H2:15

ii) Calculate Unit Consumption Charges in column D where Unit Consumption Charges = Units * rate

iii) Bill = Unit Consumption Charges + fixed charges

OR

- (b) Consider the following worksheet. Write steps to compute Grade and the

	A	B	C	D	E	F	G	H	I	J
1	RNO	MARKS	GRADE	DIV		MARKS	0	40	70	80
2	23	86				GRADE	F	D	A	0
3	32	74				DIV	FAIL	DIV C	DIV B	DIV a
4	43	34								
5	56	44								
6	67	79								
7	70	98								
8	77	77								

[08]

Division for next year in Column C and D respectively using HLOOKUP function. Policy table to be referred for finding Grade and Division for next year is given in the range G1:J3.

- Q. 3 B. Attempt any one sub-question from (c) & (d)

- (c) Answer the following using the given spreadsheet.

[07]

	A	B	C	D	E	F
1	Name	Basic	HRA	DA	Tax	Net Salary
2	Anil	55000				
3	Raj	35000				
4	Deep	24000				
5	Jiya	16000				

Write the steps to compute the following

- HRA in column C as 30% of Basic salary whenever the basic salary is 30000 or less otherwise as 40% of the basic salary.
- DA in column in D as 50% of basic salary.
- Tax in column E as 10% of Basic
- Net Salary in column F as Basic + HRA+ DA — Tax

OR

- (d) The following worksheet shows the scores obtained by students in different subjects:

[07]

	A	B	C	D	E	F	G	H
1	Name	Math	Sci	Eng	Bio	Phy	Total	Remark
2	Smith	86	54	67	56	45		
3	Joe	35	66	67	56	57		
4	Jeem	45	60	87	98	55		
5	Dita	65	78	73	67	57		
6	Clark	67	67	69	87	76		

Write the steps to obtain:

- Total marks in column G
- Remark in column H "PASS" if the student scores 40 and above in all Subjects otherwise, "FAIL"

Q. 4 A. Attempt any one sub-question from (a) & (b)

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

[08]

	A	B	C	D	E
1	City	Oct	Nov	Dec	Total
2	Pune	50	34	47	
3	Nashik	45	37	48	
4	Dhule	65	48	50	
5	Thane	45	47	50	

Write the steps-

- To find the total rainfall in each city in the cells E2 to ES.
- 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 Line chart for the rainfall in Oct and Dec.

The following data has been entered in a worksheet.

OR

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

[08]

	A	B	C	D	E	F	G
1	R.No.	Name	Test1	Test2	Test3		
2	101	Deep	23	34	65		
3	102	Raj	45	54	45		
4	103	Jit	45	67	65		
5	104	Priti	67	56	56		
6	105	Priya	56	56	45		
7	106	Rahul	66	76	56		

Write steps:

- Compute the total marks in column F.
- Find result in Column G where result is PASSED when total marks are 120 or more otherwise result is FAIL.

Q. 4 B. Attempt any one sub-question from (c) & (d)

(c) The following data has been entered in an Excel worksheet

[07]

	A	B	C	D	E
1	NAME	GENDER	AGE	CITY	SALES
2	VIKAS	M	34	Nashik	35000
3	RAJU	M	32	Pune	35444
4	DISHA	F	27	Surat	23455
5	JAI	M	24	Kolkata	35444
6	MAHESH	M	27	Nagpur	35000
7	DEEP	M	33	Pune	38000

Write steps to

- Display only those rows where the sales is less than 40000.
- Display only those rows where the gender is "M".
- Display only those rows where the city name starts with "N".

OR

- (d) Explain the following functions in MS-EXCEL. [07]
- i) LEN() ii) MONTH() iii) LARGE() iv) SUM() v) Count()
vi) WEEKD vii) CountA()

- Q. 5 A. Attempt any one sub-question from (a) & (b) [08]
- (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 calculate and display the area of the rectangle (Area=Breadth*Length).

OR

- (b) Write a project in VB to design a suitable form which allows the user to enter two number and calculate sum of two numbers.

- Q. 5 B. Attempt any one sub-question from (c) & (d) [07]

- (c) Write a project in VB to design a suitable form which allows the user to enter two numbers and display the larger of these two numbers.

OR

- (d) Write a project in VB to Compute and display the sum of the series.
 $2+4+8+\dots+20$

-- X -- X --