Time: 2 ½ Hrs	Marks: 75	SUB: COMPUTER	Date:18.03.2016

Q.1.(A) Attempt any Two sub-questions in Ms-Excel. (True/False) [2]

(a)   A function must not contain another function in its argument.

(b)   WEEKDAY () returns the day of the week such as Sunday, Monday …… Saturday

(c)   Pie chart is possible for only one range of values.

(B) Attempt any Two sub-questions in Visual Basic. (MCQ) [2]

(d)   _____ is a non executable statement in Visual Basic.
        (i) If-End If   (ii) For – Next   (iii) Do – Loop   (iv) Dim

(e)   The _____ property determines the order of the focus to move as the tab key is pressed.
        (i) TabIndex   (ii) TabStop   (iii) TabOrder   (iv) TabSequence

(f)   _____ property of command button is set to True, so that when the user will press Esc key, the button is automatically selected.
        (i) Default   (ii) Cancel   (iii) EscOn   (iv) EscapeOn

(C)Attempt any Six sub-questions in E-Commerce.(True/False) [6]

(g)   Affiliate revenue is also called as Referral Fee.

(h)   Standards of EDI are decided by ASCII

(i)   EDI allows paperless transactions.

(j)   With E-Commerce you can locate the product quickly and easily.

(k)   E-commerce is totally safe.

(l)   Encryption means converting plain text to cipher text and vice-a-versa.

(m)   SET changes URL from http to https.

(n)   In SSL server authentication is compulsory.

(o)   Digital cheques are not so successful in E-Commerce.

(D)Attempt any Five sub-questions in E-Commerce. [5]

(p)   In SSL encryption is done using _____ key.
        (i) Public   (ii) Private   (iii) Session   (iv) Symmetric

(q)   _____ is an online retail store.
        (i) Portal   (ii) Service Provider   (iii) E-Tailer   (iv) Content Provider

(r)   Identify the identity of a person or entity with whom you are dealing on Internet is known as
        (i) Integrity   (ii) Authenticity   (iii) Authorisation   (iv) None of These
(s)   _____ means that the information being displayed on a Web site/transmitted/received over the Internet has not been changed in any way by an un-authorized party.
        (i) Integrity   (ii) Authenticity   (iii) Authorisation   (iv) None of These
(t)   In public key encryption _____ keys are used.
        (i) Public and Private   (ii) Only Public (iii) Only Private   (iv) None of These
(u)   SET is developed by association led by _____.
        (i) Master Card and Visa   (ii) Master Card   (iii) Visa   (iv) Rupay
(v)   The technology behind M-commerce is based on _____.
        (i) HTTP   (ii) HTTPS   (iii) WAP   (iv) POP
(w)   PayPal is an example of _____
        (i) Digital Cash (ii) Online Stored Value   (iii) Credit Card   (iv) None of These

Q.2.(A) Attempt any one sub-question in E-commerce.   [8]
(a)   Explain Public Key Encryption.
(b)   Explain Public Key Encryption using Digital Signature.

(B) Attempt any one sub-question in E-commerce.   [7]
(c)   Explain SET and SSL.
(d)   Explain different business models in E-Commerce.

Q.3.(A) Attempt any one sub-question in Ms-Excel.   [8]
(a)   Mr. Amit wants to deposit ` 5,00,000 in a bank for 6 years. He expects to earn compound interest of  ` 4,45,000 on the same. Find rate of interest using what-if analysis.

(b)   Ms. Smita wants to deposit ` 5,00,000 in a bank for 6 years. She expects rate of interest per annum to be 9.75%, 10% and 10.30% in Nationalized Banks, Co-Op. Banks and Credit Societies respectively. Find compound interest in all the three cases and name each case accordingly using what-if analysis.

(B) Attempt any one sub-question in Ms-Excel.   [7]
(c)   Consider the following worksheet and calculate the following:

	A	B	C	D	E	F
1			A-ONE Ltd.			
2	Emp. No.	Name	Grade	Salary		
3						
:						
15						

Calculate (i) HRA: HRA as 10.25% of salary or ` 200 whichever is less if grade is not A

otherwise HRA is 10.25% of salary subject to minimum of ` 200. (ii) Bonus: No bonus for grade A employees for others bonus is @ 180% of salary subject to minimum of ` 10000 and maximum of ` 50,000 (iii) Also find total Bonus payable to grade B employees in cell A17.

(d)   Consider the following worksheet:

	A	B	C	D	E	F
1			A-ONE			
2	Name	A/C	TAX	ECO	COMPUTERS	
3						
:						
15						

(i) Find average as sum of best 3 marks divided by 3.
(ii) Display records of best 3 students based on their average.
(iii) Display record of a student scoring second highest marks in Computers.

Q.4(A)Attempt any one sub-question in Ms-Excel.   [8]

(a)   Consider following worksheets called as SALES and COMM . Calculate commission.

Worksheet: SALES

	A	B
1	Name	Sales
2	Arvind	25000
3	Yogendra	8000
4	Bhushan	22000
5	Manish	33000
6	Amit	19000

Worksheet: COMM

	A	B
1	Name	Commission
2	Arvind	
3	Yogendra	
4	Bhushan	
5	Manish	
6	Amit	

Commission is calculated as follows:

Sales	Commission
Up to 10,000	2%
Next 10,000	5%
Above 20,000	10%

(b)   Consider following workbooks called as SALES and COMM . Calculate commission..

Workbook: SALES (Sheet1)

	A	B
1	Name	Sales
2	Arvind	25000
3	Yogendra	8000
4	Bhushan	22000
5	Manish	33000
6	Amit	19000

Workbook: COMM (Sheet1)

	A	B
1	Name	Commission
2	Arvind	
3	Yogendra	
4	Bhushan	
5	Manish	
6	Amit	

Commission is calculated as follows:

Sales	Commission
Up to 10,000	2%
Next 10,000	5%
Above 20,000	10%

(B) Attempt any one sub-question in Ms-Excel. [7]

(c)   (i) Distinguish between Filter and Advance Filter.

       (ii) Distinguish between Solver and Scenario

(d)   (i) Write a note on Macro.

       (ii) Write a note on What-if Analysis option

Q.5. (A) Attempt any one sub-question from Visual Basic. [8]

(a)   Write code in VB to find total of squares of odd numbers from 10 to 50 using For-Next as well as Do-Loop.

(b)   Write code in VB to find total of squares of numbers divisible by 3 from 10 to 50 using For-Next as well as Do-Loop.

B.   Attempt any one sub-question from Visual Basic. [7]

(c)   Write a project in VB to create a form to display a message "ALL THE BEST" in a text box. The form should have three checkboxes for Bold, Italic and Underline. After selecting / deselecting a checkbox the style of the message should change accordingly.

(d)   Write a project in VB to create a form to display a message "ALL THE BEST" in a text box. The form should have four option buttons Black, Red, Green and Blue. After selecting a option the colour of the message should change accordingly.