

Date
03/10/2024

(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

- Q.1 A Attempt any two sub-questions from a), b) and c) in MS-EXCEL (True or False) 02
- (a) A template has a file name extension .XLTX.
 - (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 (Multiple Choice) 02
- (d) What is the meaning of VBP?
A) Visual Binary Project B) Very Basic Project
C) Visual Basic Project D) Delete it
 - (e) The data type that holds the numeric variables with values ranging from 0 to 225 is
A) Boolean B) Byte C) Single D) Integer
 - (f) The data type of a variable decides:
A) The Range of values that can be stored
B) the operation that can be carried out on that variable.
C. Calculations.
D .None of these
- C Attempt any six sub-questions from g), h), i), j), k), l), m), n), o) in E-Commerce. (True Or False) 06
- (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), w) in E Commerce. (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 full form of P2P in E-Commerce is:
A) Person to person B) Peer to Person C) Peer to Peer D) Person to Peer
- (r) 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
- (s) The full form of SET in E-Commerce is _____.
A) Secure Electronic Tax B) Secure Electronic Transaction
C) Secure Electronic Territory D) Secure Electronic Tunnel
- (t) Conversion of coded data into readable data is called _____.
A) De-conversion B) Décryptions C) Encryptions D) Password
- (u) The full form of SLL in E-Commerce is:
A) Secure Socket Layer B) Secure Socker Loop
C) Secure Electronic Territory D) Secure Electronic tunnel
- (v) SET is an open standard in E-commerce offered by
A) Certification Authorities B) Microsoft
C) Master and Visa C D) World bank
- (w) The Emerging market economy where consumer, produce and merchants interact electronically is called
A) E-Commerce B) Super Market C) EDI D) E-Market

- Q.2 A** Answer any *one* sub-question from a) and b) in E-Commerce. 08
- (a) Explain the following B2C and B2B models in E-Commerce.
- (b) Explain any four Revenue models in E-Commerce.

- B** Answer any *one* sub-question from c) and d) in E-Commerce. 07
- (c) Explain SET protocol.
- (d) Explain how an Online Credit Card Transaction works?

- Q3 A** Attempt any *ONE* sub-question from a and b in MS EXCEL 08
- a. Answer the following using 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

- 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 D as 50% of basic salary or 20000 whichever is more
- Tax in column E as 10% of Basic
- Net Salary in column F as Basic + HRA+ DA - Tax

	A	B	C	D	E
1	Customer Name	Item	Qty. Purchased	Unit Price	Total Amount
2	LALIT SOLUTIONS	Desktop	10	5000	
3	LALIT SOLUTIONS	Printer	2	15000	
4	RUBICS PVT LTD	Keyboard	14	560	
5	NOHA LTD	Mouse	15	250	
6	LALIT SOLUTIONS	Desktop	5	5000	
7	MAX SERVICES	Keyboard		560	
	MAX SERVICES				
101		Printer	9	15000	
102					
103	Total billing amount of MAX SERVICES				
104	Total billing amount for Keyboard				
105	Total no. of Desktops Purchased				

Write steps for the following:

1. Total amount in column E
2. Total billing amount of MAX SERVICES in cell B103
3. Total billing amount for Keyboard in cell B104
4. Total no. of Desktops Purchased in column B105

B c. Attempt any ONE sub-question from c and d in MS EXCEL

07

The following worksheet shows the marks obtained by students out of hundred

	A	B	C	D	E	F	G	H	I	J
1	NAME	Law	FC	Commerce	A/c	Eco	Advt	Total	Remark	Grade
2	SUNNY	76	78	98	54	45	65			
3	SANDEEP	45	56	54	45	42	84			
4	KARTIK	36	85	56	89	65	54			
5	ALEX	25	45	54	25	78	47			
6	KUMAR	45	25	12	14	45	54			

Write the steps to obtain

1. Total marks in column H
2. Remark in column I as PASS if student scores 40 and above in all subjects otherwise FAIL
3. Grade for passed students in column K using following criterion (*Grade for failed students is NA)

Percentage	Grade
≥ 70	A Grade
< 70 but ≥ 50	B Grade
< 50 but ≥ 40	C Grade

d. Answer the following using spreadsheet.

	A	B	C	D	E
1	Name	Taxable Income	Income Tax	Cess	Total Tax
2	Rakshit	754000			
3	Asha	1650000			
4	Sudhakar	450000			
5	Mehul	950000			
6	Nishi	350000			

Write the steps to obtain the Income Tax and Cess in columns C and D and Total Tax in column E. where income tax is calculated as follows:

Taxable Income	Income Tax
For first 250000	Nil
From 250000 to 500000	5%
From 500000 to 1000000	10%
Excess	20%

Cess is 4% of the Tax Amount

Attempt any ONE sub-question from a and b in MS EXCEL

a. The following data has been entered in a worksheet

	A	B	C	D
1	S_NO	NAME	DEPT	SALARY
2	4	Anita	Accounts	32000
3	101	Anish	Sales	20000
4	112	Rita	Accounts	20500
5	88	Rushabh	Admin	30200
6	49	Alex	Admin	54000
7	54	Eliza	IT	32000

Write steps to do the following using filter:-

- Display the data where salary is less than 35000.
- Display the data where names contain the letter "A".
- Display the data from Accounts Department
- Display the data where salary is between 30000 and 50000.

b. The following data has been entered in a worksheet

	A	B	C	D
1	STUDENT_NAME	THEORY	INTERNAL	TOTAL
2	Nishant	47	15	
3	Amir	65	23	
4	Beena	60	20	
5	Reema	57	10	
6				

Write the steps

- . To calculate the total in Column D.
 - . To construct 3-D column chart.
 - . To construct pie-chart for the totals.
- a. To construct a line diagram for Theory and internal.

B Attempt 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
1	PRODUCT	COST PRICE	QTY SOLD	SELLING PRICE	PROFIT	
2	Handbag	2000	10	3200		
3	Sling Bag	1500	2	2500		
4	Shoulder Bag	1000	15	1750		
5	Messenger Bag	1750	14	2500		
6						
7	Total profit					
8						

Write steps to find

- Total Profit in B7.
- How much quantity of each product should be sold to achieve a total profit of 1,50,000 assuming that the quantity should be integer only (Using Solver)
Given that Profit = (Selling Price - Cost Price) * Quantity

- d. Explain the following built-in functions in MS -EXCEL
1. LEN() 2. HLOOKUP() 3. LOWER() 4. COUNTIF()
5. PROPER() 6. YEAR() 7. SMALL()

Q.5 A Answer any *one* sub-question from a) and b) in VISUAL BASIC 08

- (a) Write a project in VB to design a suitable form to enter any positive integer and display whether it is divisible by 5 or not.
(b) Write a project in VB to design a suitable form which allows the user to enter length of side of an equilateral triangle and then calculates and displays its perimeter. (Perimeter = 3 x Length)

B Answer any one sub-question from c) and d) in VISUAL BASIC 07

- (c) Write a project in VB to design a suitable form to enter marks of student in Computer subject and display the message "You have PASSED" if marks is 40 and above or else display the message "You have FAILED".
(d) Write a project in VB to compute and display the sum of the series
 $5 + 10 + \dots + 50$
