

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.**  
**(For candidates admitted during the academic year 2011 – 2012)**

**SUBJECT CODE: 11CM/PE/CB34**

**M.Com. DEGREE EXAMINATION NOVEMBER 2012**  
**COMMERCE**  
**THIRD SEMESTER**

**COURSE : ELECTIVE**  
**PAPER : COMPUTER APPLICATIONS IN BUSINESS**  
**TIME : 1 HOUR** **MAX. MARKS: 40**

**THEORY**

**SECTION A**

**I Fill in the blanks: 10 x 1 = 10**

1. \_\_\_\_\_ encompasses several online discussion groups, promoting a band in chat room, blogging
2. All purchase transactions are entered in the \_\_\_\_\_
3. A \_\_\_\_\_ is issued when a buyer returns some goods that were sold him.
4. \_\_\_\_\_ option allows the user to make any corrections in the existing account groups
5. Shopping cart software is generally known as \_\_\_\_\_ in web sites.
6. \_\_\_\_\_ allows the user to conduct financial transactions on a secure website operated by their retail bank.
7. Electronic checks can be sent using \_\_\_\_\_
8. \_\_\_\_\_ is a means of organizing and storing an organisation's documents that relate to the organization processes.
9. A live exchange and mass articulation of information among several persons and machines remote from one another but linked by telecom system is called \_\_\_\_\_
10. Payments using third party verification enhances \_\_\_\_\_

**II State whether the following terms are true or false: 1 x 5 = 5**

11. Digital terrorism mean to control the terrorist activities
12. All sales transactions including cash sales are entered in sales voucher
13. Tally offers facility for auto computation of taxes and duties like sales tax and excise duty.
14. A http site is always considered as a secure site for online marketing
15. Nominal scale allows the user to enter the data with equal class intervals

**III Explain the following terms in a sentence:**

**5 x 1 = 5**

- 16. i-store
- 17. Absolute cell reference
- 18. Digital signature
- 19. Cyber crime
- 20. e-tailing

**SECTION B**

**Answer any four questions:**

**4 x5 =20**

- 21. E-mail and fax are used as a media for reaching prospective customers. Explain?
- 22. What do you understand by encryption? Briefly explain the same.
- 23. Name a few service industries in which the internet has made a revolution in recent times? Specify the applications.
- 24. What are the advantages and limitations of online banking?.
- 25. What are the prospects and challenges for e-commerce in India?
- 26. Briefly explain the following terms:
  - a. Stock group    b. Multiple ledger    c. Vouchers
- 27. Briefly explain the following terms
  - a. Scale    b. Transform    c. Descriptive statistics



**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.**  
**(For candidates admitted during the academic year 2011 – 2012)**

**SUBJECT CODE: 11CM/PE/CB34**

**M.Com. DEGREE EXAMINATION NOVEMBER 2012**  
**COMMERCE**  
**THIRD SEMESTER**

**COURSE : ELECTIVE**  
**PAPER : COMPUTER APPLICATIONS IN BUSINESS**  
**TIME : 2 HOURS** **MAX. MARKS: 60**

**PRACTICAL – I**

**SECTION A**

**5 X 6 = 30**

1. Calculate the regression equations using EXCEL and estimate the age of husband when the age of husband's age is 58

Age of husband	24	28	32	36	47	48	50	56	72	83
Age of wife	22	26	30	33	44	40	49	54	75	80

2. Following information is obtained in a sample survey.

CONDITION OF CHILD	CONDITION OF HOME		
	CLEAN	DIRTY	TOTAL
CLEAN	70	50	120
FAIRLY CLEAN	80	20	100
DIRTY	35	45	80

State whether the two attributes i.e., condition of home and condition of child are independent . (Apply EXCEL)

3. In a certain experiment to compare two types of Food A and B the following results of increase in weights are observed in subjects. Assuming that the two samples are independent can we conclude that food B is better than food A in promoting weight gain? (Apply SPSS)

Before	24	36	40	55	60	72	80	82	90
After	28	40	42	57	65	75	78	80	95

4. Calculate the coefficient of correlation by Karl Pearsons' method using EXCEL and verify your answer with the statistical function.

X	112	116	118	121	143	132	127	128	136	140	150
Y	102	108	112	135	148	137	146	127	139	145	148

5. Ten computer printer dealers in a town were asked to submit their price for two similar colour inkjet printers. Prices are given below. Use t-test at 5% is it reasonable to assert that on an average the Apson printer is less expensive than HP printer? (Apply SPSS)

Dealers	1	2	3	4	5	6	7	8	9	10
Apson price	3000	3300	3150	3200	3450	3500	3600	3750	3800	4000
HP Price	2900	2800	3000	3200	3300	3400	3700	3800	3600	4100

## SECTION B

2 X 15 = 30

## ANSWER THE FOLLOWING QUESTIONS:

6. Calculate two-way ANOVA from the following data. Test whether there is any significant difference in the average yield of land under different variances. (Apply SPSS)

YIELDS		
A	B	C
20	18	25
21	20	28
23	17	22
16	15	28
20	25	32

7. The following are the balances extracted from the books of ABC Ltd on 31<sup>st</sup> December 2010. You are required to make the necessary closing entries and prepare
- Trial balance
  - Trading account
  - Profit and loss account
  - Balance sheet

Opening stock	5000	Commission (cr)	2000
Bills receivable	22,500	Return outwards	500
Purchases	29,500	Trade expenses	200
Wages	1,400	Office expenses	500
Insurance	5500	Cash in hand	250
Sundry Debtors	25,000	Cash at bank	2000
Carriage inwards	400	Rent	500
Commission (Dr)	4000	Carriage out	700
Interest on capital	3500	Sales	50,000
Stationery	2250	Bills payable	15000
Returns inwards	500	Creditors	12,000
		Capital	60,000

Closing stock is Rs.18,000.

▲▲▲▲▲▲▲▲▲▲

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.**  
**(For candidates admitted during the academic year 2011 – 2012)**

**SUBJECT CODE: 11CM/PE/CB34**

**M.Com. DEGREE EXAMINATION NOVEMBER 2012**  
**COMMERCE**  
**THIRD SEMESTER**

**COURSE : ELECTIVE**  
**PAPER : COMPUTER APPLICATIONS IN BUSINESS**  
**TIME : 2 HOURS** **MAX. MARKS: 60**

**PRACTICAL – II**  
**SECTION A**

**5 X 6 = 30**

1. A milk producers union wishes to test whether the preference pattern of consumers for its products is dependent on income levels. A random sample of 500 individuals gives the following data Can you conclude that the preference patterns are independent of income levels? Using chi square analysis. (Apply EXCEL)

INCOME	Product preferred		
	A	B	C
LOW	170	30	80
MEDIUM	50	25	60
HIGH	20	10	55

2. Ten computer printer dealers in a town were asked to submit their price for two similar colour inkjet printers. Prices are given below. Use t-test at 5% is it reasonable to assert that on an average the Apson printer is less expensive than HP printer? (Apply SPSS)

Dealers	1	2	3	4	5	6	7	8	9	10
Apson price	250	319	285	260	305	295	289	309	275	299
HP Price	270	325	269	275	289	285	295	325	300	301

3. Calculate the regression equations using EXCEL and estimate the age of husband when the age of wife is 47

Age of husband	18	19	20	21	22	23	24	25	26	27
Age of wife	17	17	18	22	21	22	24	26	23	22

4. In a certain experiment to compare two types of Food A and B the following results of increase in weights are observed in subjects. Assuming that the two samples are independent can we conclude that food B is better than food A in promoting weight gain? (Apply SPSS)

Before	49	53	51	52	47	50	52	53	62	72	53	78
After	52	55	52	53	50	54	58	53	65	74	60	78

5. Calculate the coefficient of correlation by Karl Pearsons' method using EXCEL and verify your answer with the statistical function.

X	66	75	78	84	86	92	102	110	120	128	140
Y	68	72	73	86	80	88	100	105	128	134	132

## SECTION B

ANSWER THE FOLLOWING QUESTIONS:

2 X 15 =30

6. Calculate two-way ANOVA from the following data. Test whether there is any significant difference between sales by the firm salesmen and in three different seasons.(Apply SPSS)

SEASONS	SALESMEN			
	P	Q	R	S
Summer	13	16	16	14
Winter	17	16	17	16
Monsoon	13	14	15	15

7. The following are the balances extracted from the books of ABC Ltd on 31<sup>st</sup> December 2010. You are required to make the necessary closing entries and prepare
- Trial balance
  - Trading account
  - Profit and loss account
  - Balance sheet

Opening stock	10,000	Commission (cr)	1,500
Bills receivable	8,600	Return outwards	2,000
Purchases	26,000	Trade expenses	3,000
Wages	4,500	Office expenses	5,000
Insurance	7,600	Cash in hand	8,000
Sundry Debtors	30,000	Cash at bank	12,000
Carriage inwards	3,000	Rent	6,000
Commission (Dr)	2,000	Carriage out	1500
Interest on capital	3,000	Sales	48,000
Stationery	4,000	Bills payable	7,500
Returns inwards	2,500	Creditors	11,000
Secured Loan	7000	Capital	50,000

Closing stock is Rs. 20,000.

▲▲▲▲▲▲▲▲▲▲