# STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI - 600086. 

(For candidates admitted during the academic year 2009-2010)
SUBJECT CODE: CM/PE/CB43

## M.Com. DEGREE EXAMINATION APRIL 2011 <br> COMMERCE <br> FOURTH SEMESTER

| COURSE | $:$ | ELECTIVE |
| :--- | :--- | :--- |
| PAPER | $:$ | COMPUTER APPLICATIONS IN BUSINESS (THEORY) |
| TIME | $:$ | 1 HOUR |

## SECTION A

Answer any five questions: $5 \times 3=15$

1. What do you understand by E-commerce?
2. What is called a digital signature?
3. Distinguish a 'https' site from a 'http' site.
4. What do you mean by digital terrorism.
5. Explain the following terms :
i-supplier i-store
6. What are the various internet tools used in online shopping?
7. What is called 'Phishing'?

## SECTION B

## Answer any five questions: <br> $5 \times 5=25$

8. In India, do customers widely use online shopping for products or for services? Why?
9. Briefly explain the customer satisfaction towards e-banking.
10. Explain the various types of cyber crimes in online shopping.
11. What are the prospects and challenges for e-commerce in India?
12. What are the various privacy technologies a firm could establish to save guard its web site?
13. Briefly explain the following terms:
a. Credit note
c. Delivery note
b. Groups
d. Vouchers
14. Briefly explain the following terms
a. Data view
c. Dependent variable
b. Descriptive statistics
d. Absolute cell reference

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| COURSE | $:$ | ELECTIVE |
| :--- | :--- | :--- |
| PAPER | $:$ | COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL-I) |
| TIME | $:$ | 2 HOURS |

SECTION A
$4 \times 10=40$

1. Calculate two-way anova from the following data. Test whether thee is any significant difference between sales by the firm salesmen and sales in three different brands. (Apply SPSS)

| BRANDS | SALESMEN |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | I | II | III | IV |
| A | 6 | 5 | 3 | 8 |
| B | 8 | 9 | 6 | 5 |
| C | 10 | 7 | 8 | 7 |

2. 1000 families were selected at random in a city to test the belief that high income families usually send their children to Private schools and the low income families sent their children to government schools. The following results were obtained. Test whether income and type of schooling are independent using chi square analysis. (Apply EXCEL)

|  | SCHOOL |  |  |
| :---: | :---: | :---: | :---: |
| INCOME | PRIVATE | GOVT. | TOTAL |
| LOW | 370 | 430 | 800 |
| HIGH | 130 | 70 | 200 |
| TOTAL | 500 | 500 | 1000 |

3. To verify whether a course in accounting improved performance, a similar test was given to 12 participants both before and after the course. The original marks recorded were as follows. Was the course useful? (Apply SPSS)

| Before | 44 | 40 | 61 | 52 | 32 | 44 | 70 | 41 | 67 | 72 | 53 | 72 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| After | 53 | 38 | 69 | 57 | 46 | 39 | 73 | 48 | 73 | 74 | 60 | 78 |

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

| X | 60 | 20 | 90 | 40 | 80 | 60 | 70 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y | 90 | 110 | 50 | 80 | 70 | 60 | 100 |

## SECTION B

$\mathbf{1} \mathbf{X 2 0}=\mathbf{2 0}$

## ANSWER THE FOLLOWING QUESTION:

5. The following are the balances extracted from the books of ABC 1 ld on $31^{\text {st }}$ December 2010. You are required to make the necessary closing entries and prepare
a. Trial balance
b. Trading account
c. Profit and loss account
d. Balance sheet

| Opening stock | 500 | Commission (cr) | 200 |
| :--- | ---: | :--- | ---: |
| Bills receivable | 2,250 | Return outwards | 250 |
| Purchases | 19,500 | Trade expenses | 100 |
| Wages | 1,400 | Office expenses | 500 |
| Insurance | 550 | Cash in hand | 250 |
| Sundry Debtors | 15,000 | Cash at bank | 2375 |
| Carriage inwards | 400 | Rent | 550 |
| Commission (Dr) | 400 | Carriage out | 725 |
| Interest on capital | 350 | Sales | 25,000 |
| Stationery | 225 | Bills payable | 1,500 |
| Returns inwards | 650 | Creditors | 9,825 |
|  |  | Capital | 8,950 |
|  |  |  |  |

Closing stock is 1,200

# M.Com. DEGREE EXAMINATION APRIL 2011 <br> COMMERCE <br> FOURTH SEMESTER 

| COURSE | $:$ | ELECTIVE |
| :--- | :--- | :--- |
| PAPER | $:$ | COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL-II) |
| TIME | $:$ | 2 HOURS |

## SECTION A <br> $4 \times 10=40$

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

| BRANDS | SALESMEN |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | I | II | III | IV |
| A | 10 | 9 | 14 | 9 |
| B | 12 | 11 | 9 | 10 |
| C | 13 | 14 | 12 | 11 |

2. The following contingency table shows the classification of 1,000 workers in a factory, according to the disciplinary action taken by the management and their promotional experience. Using chi square analysis ascertain whether the disciplinary action taken and promotional experience are associated. (Apply EXCEL)

|  | Promotional experience |  |  |
| :--- | :---: | :---: | :---: |
| Disciplinary action | Promoted | Not promoted | Total |
| Offenders | 30 | 670 | 700 |
| Non-offenders | 70 | 230 | 300 |
| total | 100 | 900 | 1000 |

3. Two independent samples of 8 and 7 items gave the following values. Examine whether the difference between the means of the two samples is significant at $5 \%$ level. (Apply SPSS)

| Sample A | 9 | 11 | 13 | 11 | 15 | 9 | 12 | 14 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sample B | 10 | 12 | 10 | 14 | 9 | 8 | 10 |  |

4. Calculate the regression equations using EXCEL and estimate the value of X when $\mathrm{Y}=90$ and estimate the value of Y when $\mathrm{X}=100$

| X | 65 | 76 | 89 | 92 | 68 | 72 | 90 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Y | 72 | 69 | 80 | 97 | 73 | 81 | 85 |

## ANSWER THE FOLLOWING QUESTION:

5. The following are the balances extracted from the books of ABC ltd on $31^{\text {st }}$ December 2010. You are required to make the necessary closing entries and prepare
a. Trial balance
b. Trading account
c. Profit and loss account
d. Balance sheet

| Opening stock | 12,000 | Commission (cr) | 1,300 |
| :--- | ---: | :--- | ---: |
| Bills receivable | 8,600 | Return outwards | 2,900 |
| Purchases | 24,000 | Trade expenses | 3,700 |
| Wages | 4,500 | Office expenses | 5,700 |
| Insurance | 7,600 | Cash in hand | 8,200 |
| Sundry Debtors | 13,700 | Cash at bank | 12,400 |
| Carriage inwards | 3,100 | Rent | 6,800 |
| Commission (Dr) | 1,400 | Carriage out | 750 |
| Interest on capital | 2,700 | Sales | 42,000 |
| Stationery | 4,900 | Bills payable | 7,900 |
| Returns inwards | 2,500 | Creditors | 11,400 |
| Secured Loan | 7050 | Capital | 50,000 |
|  |  |  |  |

Closing stock is Rs 10,000

