

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086.
(For candidates admitted during the academic year 2009 – 2010)

SUBJECT CODE: CM/PE/CB43

M.Com. DEGREE EXAMINATION APRIL 2011
COMMERCE
FOURTH SEMESTER

COURSE : ELECTIVE
PAPER : COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL-I)
TIME : 2 HOURS **MAX. MARKS: 60**

SECTION A

4 X 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	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)

INCOME	SCHOOL		
	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

1 X 20 = 20

ANSWER THE FOLLOWING QUESTION:

- 5. The following are the balances extracted from the books of ABC ltd on 31st 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



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COURSE : ELECTIVE
PAPER : COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL-II)
TIME : 2 HOURS **MAX. MARKS: 60**

SECTION A

4 X 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)

Disciplinary action	Promotional experience		
	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 Y = 90 and estimate the value of Y when X = 100

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

SECTION B

1 X 20 = 20

ANSWER THE FOLLOWING QUESTION:

5. The following are the balances extracted from the books of ABC Ltd on 31st 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	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

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