SUBJECT CODE: 11CM/PE/CB34

M.Com. DEGREE EXAMINATION NOVEMBER 2013
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. A public key is used to encrypt the algorithm while private key helps in
_____

2. By invoking _____ option, cash or bank ledger can be passed through Journal voucher.

3. Absolute cell reference is, _____ a cell in Excel

4. The activity of impersonating individuals or corporate, using e-mail or web sites is known as _____

5. _____ is a private network that is contained within an enterprise.

6. A _____ is a live exchange and mass articulation of information among several persons and machines remote from one another, linked through telecommunication

7. _____ in Tally is used to configure the symbols used for positive, negative and debit and credit values.

8. _____ is the value of the regression coefficient which gives for every unit of increase in its value, the resultant change in the dependent variable in the regression equation.

9. Contra entries can be made to enter in the _____

10. _____ voucher is used to record the delivery of goods to customers.

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

11. When you want to compare performance across groups or segments frequency expressed in numbers is superior to frequency expressed in proportion

12. CHINV is a function that returns the inverse of a one tailed probability of a chi square distribution.

13. To copy all the groups from the source company to the destination company the source command is used.

14. User can specify a cost category to allow allocation of revenue items or non revenue items.

15. Consumer education is essential for ethical online transactions.

III   Choose the correct answer: 5x1=5

16. It is the highest level of measurement that has the requisite desirable properties and allows you to perform all basic arithmetic operations, including division an d multiplication.
    - a. Nominal data   c. Ordinal data
    - b. Interval data   d. Ratio data

17. For testing independence of attributes in a contingency table, the correct test procedure is to use
    - a. t-test   c. ANOVA
    - b. Regression   d. Chi-square

18. The residual of a regression line is always
    - a. Positive   c. Negative
    - b. Zero   d. Difference between actual and estimated Y values

19. _____ is the mode of exchanging digital messages across the internet
    - a. We chat   c. Timeline
    - b. Whatsapp   d. Email

20. To enter the opening balance of cash you should _____ the ledger and enter cash in hand as at the date of beginning of books.
    - a. Modify   c. Alter
    - b. Open   d. None of the above

SECTION B

Answer any FOUR questions: 4 x5 =20

21. Write short notes on virtual marketing.

22. What is encryption? Briefly explain the encryption algorithm.

23. What are various issues and threats to online users?

24. What are called vouchers ? How is a voucher entry made in Tally?

25. State the benefits of e-commerce in the service industry?

26. Briefly explain the electronic payment system.

27. How would you create an account group in Tally. Can it be altered or deleted? Illustrate it with suitable examples

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

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M.Com. DEGREE EXAMINATION NOVEMBER 2013
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. A readymade garment manufacturer buys various types of yarn. One particular yarn according to specification should have a tensile strength of 14 kg on an average. The company supervisor who is highly knowledgeable in his area strongly believes that recent supplies are inferior in quality. A random sample of 100 standard specimen of this yarn was taken. It was found that the average ensile strength in the sample was 12.5 kg with a standard deviation of 1.75 kg. is the supervisor right in saying that the yarn supplied was of inferior quality? Justify your answer by performing an appropriate test of hypothesis. (Use Excel)

2. Journalize in the books of Kavitha
   a. Cash deposited in bank Rs 8,000
   b. Goods sold to Mr Ram on credit for Rs 10,000
   c. A cheque received from Mr. D for 7,500 is returned dishonored.
   d. Withdrew Rs 3,000 by cheque for household expenses
   e. Mr. Ram returned goods worth Rs 1,200

3. To study the impact of advertising on sales the following data were collected from 10 companies. Find the expected sales if advertising expenses were 40 lakhs (Use Excel)

Companies	1	2	3	4	5	6	7	8	9	10
Advertising expenses	50	15	40	80	65	35	75	50	60	70
Sales	210	180	200	400	300	230	350	300	280	380

4. From the following data compute standard deviation: (SPSS)

Size	4-7	8-10	11-13	14-16	17-19
Frequency	14	24	38	20	4

5. Fit a straight line trend to the following figures by the method of least squares. (SPSS)

Year	1995	1996	1997	1998	1999	2000	2001
Sales	50	60	65	63	68	70	72

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SECTION B   **2 X15 = 30**

ANSWER THE FOLLOWING QUESTIONS:

6. Prepare final accounts from the following information

Bank	7,500	Cash in hand	1,250
Purchases	34,96,000	Bills receivable	7,500
Salaries	21,000	Investments	3,00,000
Carriage out	2,500	Capital	2,00,000
Carriage in	2,000	Bills payable	50,000
Lighting (office)	1,500	Loan from bank	1,00,000
Building	1,35,000	Sales	36,00,000
Rates and taxes	2,000	Discount	2,000
Debtors	40,000	Commission	500
Furniture	30,000	Creditor	1,00,000
Opening stock	6,250		

Additional Information:
a. Closing stock 5,00,000
b. Salaries outstanding Rs 3,000
c. Prepaid rates and taxes Rs 500
d. Rs 750 interest accrued on investments
e. Commission received n advance Rs 100
f. Depreciation on furniture 10% and building at 2 %

7. A marketing manager of a company selling consumer non durables was interested in finding out whether the sales of a particular product were influenced by colour and size of package. He performed in which he generated the likely sales that the company would set by the different colours and sizes of the package. The experiment lasted one month in selected retail outlets the following data emerged from the study in which the response variable is the likely sale in 1000 units that the company could get per month (USE SPSS)

Colour/size	Small	Medium	large
Blue	30	29	41
Red	20	21	30
Yellow	36	38	46
White	26	25	40

1. The total sum of squares is _____
2. Sum of the squares due to colour is _____
3. Sum of the squares due to size is _____
4. Calculate F for testing the equality of mean sales due to colour is _____
5. Calculated F for testing the equality of mean sales due to size is _____
6. Hypothesis for equality of mean sales due to colour and inference
7. Hypothesis for equality of mean sales due to size and inference

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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. The test scores and sales done by 10 selected salesmen of a company shows the following data. (Use SPSS)

Test score	75	65	72	63	79	85	71	73	84	66
Sales (in '000)	70	83	91	78	85	92	84	89	95	78

    Fit regression equation of test score on sales and regression equation of sales on test score. Estimate sales for test score of 50 and estimate the test score when the sales is 80,000

2. A controlled experiment was conducted to test the effectiveness of a new drug. Comment on the effectiveness of the drug using chi square test. Use SPSS

	Cured	Condition worsened	No effect	total
Treated with drug	200	40	60	300
Not treated with drug	120	30	50	200
Total	320	70	110	500

3. A readymade garment manufacturer buys various types of yarn. One particular yarn according to specification should have a tensile strength of 14 kg on an average. The company supervisor who is highly knowledgeable in his area strongly believes that recent supplies are inferior in quality. A random sample of 100 standard specimen of this yarn was taken. It was found that the average tensile strength in the sample was 12.5 kg with a standard deviation of 1.75 kg. is the supervisor right in saying that the yarn supplied was of inferior quality? Justify your answer by performing an appropriate test of hypothesis. (Use Excel)

4. Journalise in the books of Sunitha
    a. Cash withdrawn from bank Rs 5,000
    b. Goods sold to Mr White on credit for Rs 7,000
    c. A cheque received from Mr. Black for 12,500 is returned dishonored.
    d. Withdrew Rs 23,000 by   for private expenses
    e. Sunitha returned goods worth Rs 6,200

5. A group of 5 students took test before and after the Banking training and obtained the following scores. Use SPSS

Before Training	20	24	28	26	25
After Training	22	26	30	30	28

    Find if the training was effective?

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SECTION B

ANSWER THE FOLLOWING QUESTIONS: 2 X 15 =30

6. Prepare final accounts from the following Balance & Additional information:

Bank	15,000	Capital	1,13,000
Purchases	60,000	Purchase returns	1200
Salaries	7,000	Reserve fund	5,000
Wages	10,000	Sales	1,27,000
Freight	1,000	Discount allowed	350
Advertisement	2,000	Commission received	800
Discount allowed	350	Creditor	25,000
Rates and taxes	2,000	Sales returns	1,500
Debtors	46,000	Provision for doubtful debts	3,000
Plant and machinery	90,000	Rent received	1150
Opening stock	40,000		

Adjustments:
a. Closing stock 35,000
b. Wages outstanding Rs 500
c. Prepaid rates and taxes Rs 200
d. Commission received in advance Rs 400
e. Rent receivable Rs 450
f. Depreciation on plant and machinery 10%

7. A production manager of a company was interested in finding out whether the production of a particular product were influenced by effectiveness of their workers . He performed in which he generated the likely production that the company would set by the different machines. The experiment lasted one month in the company , the following data emerged from the study in which the following response was received .
The following data represent the number of units of production per day turned out by 5 workers using 4 different types of machines. (USE Excel)

Machine types

Workers	A	B	C	D
1	44	38	47	36
2	46	40	52	43
3	34	36	44	32
4	43	38	46	33
5	38	42	49	39

Find
1. The total sum of squares is _____
2. Sum of the squares due to workers is _____
3. Sum of the squares due to machines is _____
4. Calculate F for testing the equality of mean production due to workers is ___
5. Calculate F for testing the equality of mean production due to
   machine is _ _____.
6. Test the hypothesis whether the mean productivity is the same for the different machine types.
7. Test the hypothesis whether the 5 men differs with respect to mean productivity.

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