

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
First Semester M.Com Degree Examination, November 2016
MC1C4- IT Applications in Commerce
(2016 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

Part A

Answer all the questions. Each question carries one weight

1. Define Information system.
2. What do you mean by data transformation?
3. Explain the concept "model driven DSS".
4. What is goal seek analysis?
5. What is a host language interface system?
6. List any four limiting factors of ERP implementation.

(6 x 1 = 6)

Part B

Answer any six questions. Each question carries 3 weights

7. What is information overload? Explain the role of management information system in managing information overload.
8. Define data reduction. Discuss any three methods of data reduction.
9. What is an office automation system? State the advantages of office automation system.
10. Explain the features of a group decision support system.
11. Develop a business application of scenario management.
12. Give a brief account of the logical functions used in Microsoft Excel.
13. What do you mean by DBMS? Discuss the components of DBMS.
14. What are the necessities of implementing ERP packages?

(6 x 3 = 18)

Part C

Answer any two questions. Each question carries six weights

15. Define MIS. Explain the role and elements of management information system.
16. Explain the various financial functions available in Microsoft Excel. Develop a model for evaluating an investment opportunity using NPV function.
17. What is data warehousing? What are the components of a data warehouse?

(2 x 6 = 12)

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(Pages :1)

Reg. No:.....
Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
First Semester M.Com Degree Examination, November 2016
MC1C5- Organizational Theory and Behaviour
(2016 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

Part A

*Answer all questions
Each question carries 1 weightage.*

1. Define 'Conflict'.
2. What is group dynamics?
3. What is motor behaviour?
4. Explain 'Memory'.
5. What is meant by social psychology?
6. Define 'Perception'.

(6 x 1 = 6)

Part B

*Answer any six of the following questions in not less than two pages each.
Each question carries 3 weightage.*

7. Discuss the techniques to overcome resistance to change.
8. Write a note on Abraham Maslow.
9. Briefly explain elements of communication process.
10. Discuss various principles of learning.
11. What are the factors responsible for group effectiveness?
12. Explain perceptual process.
13. What are the features of organizational development?
14. Explain different sources of power.

(6 x 3=18)

Part C

*Answer any two questions in not less than six pages.
Each question carries 6 weightage.*

15. Define personality. Explain its determinants.
16. Describe the stages of group development.
17. Explain Vroom's expectancy model of motivation in detail.

(2 x 6=12)

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(Pages :3)

Reg. No:.....

Name:.....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester M.Com Degree Examination, November 2016

MC1C3- Accounting for Managerial Decisions

(2016 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

PART A

(Answer all questions. Each question carries 1 weight age)

1. Define IRR.
2. What is Transfer pricing?
3. Explain the term Zero Based Budget.
4. Define a cost driver.
5. Explain the concept of EVA.
6. What is key or limiting factor?

(6 x 1 =6)

PART B

(Answer any six questions. Each question carries 3 weight age)

7. Define the concept, objectives and perspectives of balance score card.
8. Analyze the major risk adjusted techniques used in capital budgeting?
9. Critically evaluate uses of strategic cost management in decision making process. Which are the tools employed?
10. How we work out social cost benefits analysis of an undertaking?
11. Following is the information collected from the cost records of a company:

Selling price per unit Rs 20
 Variable cost per unit Rs 15
 Fixed costs Rs 4000
 Output 2000 units

You are required to calculate:

- 1) p/v ratio
- 2) Present profits
- 3) profit when output is 2500 units
- 4) No. of units to be sold to obtain a profit of Rs 10000

- 12 The budgeted results for Associate Company Ltd. included the following:

Sales : PRODUCT :	Rs in lakh	Variable Cost as a % of sales value
P1	50	60%
P2	40	50%
P3	80	65%
P4	30	80%
P5	44	75%
TOTAL	244	65.77%

Fixed overheads for the period are Rs. 90 lakhs.

You are asked to (a) prepare a statement showing the amount of loss expected and (b) recommend a change in the sales volume of each product which will eliminate the expected loss. Assume that the sale of only one product can be increased at a time.

13. A company issues 10000, 10% preference shares of Rs 100 each. Cost of issue is Rs 2 per share. Calculate cost of preference capital if these shares are issued (a) at par, (b) at a premium of 10%, (c) at a discount of 5%.
14. Two mutually exclusive investment proposals are being considered. The following information is available:

	Project X		Project Y	
Cost	Rs, 6000		Rs, 6000	
Cash flow	Project X		Project Y	
Year	Rs	Probability	Rs	Probability
1	4000	.2	8000	.2
2	8000	.6	9000	.6
3	12000	.2	9000	.2

Assuming cost of capital at 10%, advise the selection of the project.

(6 x 3 = 18)

Part C

(Answer any two questions. Each question carries 6 weightage)

Define marginal costing. How is it different from absorption costing? Evaluate the major uses of marginal costing for managerial decision making.

Materials Rs. 15,000
Wages Rs. 11,000
Fixed overheads Rs. 8,000
Variable overheads Rs. 6,000

The foreign market is explored and it is found that this market can consume 20,000 units of the product if offered at a sale price of Rs. 3.55 per unit. It is also discovered that for additional 10,000 units of the product (over initial 10,000 units), the fixed overheads will increase by 10%. Is it worthwhile to try to capture the foreign market?

A company is considering an investment proposal to purchase a machine costing Rs 250000. The machine has a life expectancy of 5 years and no salvage value. The company's tax rate is 40%. The firm uses straight line method for providing depreciation. The estimated cash flows before tax after depreciation (CFBT) from the machine are as follows:

Year	CFBT Rs.
1	60000
2	70000
3	90000
4	100000
5	150000

Calculate: (a) Pay-back period; (b) Average rate of return; (c) Net Present Value and Profitability Index at 10% discount rate. You may use the following table:

Year	1	2	3	4	5
Factor at 10%	0.909	0.826	0.751	0.683	0.621

(2 x 6 = 12)

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Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
First Semester M.Com Degree Examination, November 2016
MC1C2- Quantitative Techniques for Business
(2016 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

Part A

Answer all the questions. Each carries one weights

1. What is quality control?
2. What is meant by point estimation?
3. What is regression analysis?
4. What is parametric statistics?
5. What is confidence interval?
6. What are statistical hypothesis?

(6 x 1= 6)

Part B

Answer any six of the following questions. Each carries 3 weights

7. A survey of the morning beverage market shows that the primary breakfast beverage for 17% of Americans is milk. A milk producer in Wisconsin, where milk is plentiful, believes the figure is higher for Wisconsin. To test this idea, she contacts a random sample of 550 Wisconsin residents and ask which primary beverage they consumed for breakfast that day. Suppose 115 replied that milk was the primary beverage. Using a level of significance of 0.05, test the idea that the milk figure is higher for Wisconsin. (Use p -value for testing the hypothesis).
8. Explain the descriptive statistics available in SPSS.
9. Agribusiness researchers are interested in determining the conditions under which Christmas trees grow fastest. A random sample of equivalent-size seedlings is divided into four groups. The trees are all grown in the same field. One group is left to grow naturally, one group is given extra water, one group is given fertilizer spikes, and one group is given fertilizer spikes and extra water. At the end of one year, the seedlings are measured for growth (in height). These measurements are shown for each group. Use the Kruskal-Wallis test to determine whether there is a significant difference in the growth of trees in these groups. Use $\alpha = 0.01$

Group 1 (Native)	Group 2 (+ Water)	Group 3 (+ Fertilizer)	Group 4 (+ Water and Fertilizer)
8 in	10in	11in	18 in
5	12	14	20
7	11	10	16
11	9	16	15
9	13	17	14
6	12	12	22

10. Explain the managerial applications of quantitative technique.
11. How strong is the correlation between crude oil prices and prices of gasoline at the pump? In an effort to estimate this association, an oil company analyst gathered the data shown over a period of several months. She lets crude oil prices be represented by the market value of a barrel of West Texas intermediate crude and gasoline prices be the estimated average prices of regular unleaded gasoline in a certain city. Computes a Spearman's rank correlation for these data and interpret the result.

Crude oil	14.60	10.50	12.30	15.10	18.35	22.60	28.90	31.40	26.75
Gasoline	3.25	3.26	3.28	3.26	3.32	3.44	3.56	3.60	3.54

12. What is testing of hypothesis? Discuss the process of testing hypothesis.
13. A sample of 20 observations gave a standard deviation 3.72. Is this compatible with the hypothesis that the sample is from a normal population with variance 4.35.
14. A company produces bond paper and at regular intervals, samples of 50 sheets of paper are inspected. Suppose 20 random samples of 50 sheets of paper each are taken during a certain period of time, with the following numbers of sheets in noncompliance per sample. Construct a p chart from these data and interpret.

Sample	n	Out of Compliance
1	50	4
2	50	3
3	50	1
4	50	0
5	50	5
6	50	2
7	50	3
8	50	1
9	50	4
10	50	2
11	50	2
12	50	6
13	50	0
14	50	2
15	50	1
16	50	6
17	50	2
18	50	3
19	50	1
20	50	5

(6 x 3=18)

Part C

Answer any two questions. Each carries 6 weights

15. A specialist in hospital administration stated that the number of FTEs (full time employees) in a hospital can be estimated by counting the number of beds in the hospital (a common measure of hospital size). A healthcare business researcher decided to develop a regression model in an attempt to predict the number of FTEs of a hospital by the number of beds. They surveyed 12 hospitals and obtained the following data. The data are presented in sequence, according to the number of beds. Determine the slope and equation of the regression line.

Number of beds	23	29	29	35	42	46	50	54	64	66	67	78
FTEs	69	95	102	118	126	125	138	178	156	184	176	225

16. A management consulting company presents a three day seminar on project management to various clients. The seminar is basically the same each time it is given. However, sometimes it is presented to high-level managers, sometimes to middle-level managers and sometimes to low-level managers. The seminar facilitators believe evaluations of the seminar may vary with the audience. Suppose the following data are some randomly selected evaluation scores from different levels of managers who attended seminar. The rating are on a scale from 1 to 10, with 10 being the highest. Use one-way ANOVA to determine whether there is significant difference in the evaluations according to manager level. Assume $\alpha=0.05$. Discuss the business implications of your findings.

High level	Middle level	Low level
7	8	5
7	9	6
8	8	5
7	10	7
9	9	4
	10	8
	8	

17. Is the type of beverage ordered with lunch at a restaurant independent of the age of the consumer? A random poll of 309 lunch customers is taken, resulting in the following contingency table of observed values. Use $\alpha=0.01$ to determine whether the two variables are independent

AGE	Preferred Beverage		
	Coffee/tea	Soft drink	Other (milk)
21-34	26	95	18
35-55	41	40	20
>55	24	13	32

(2 x 6=12)

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Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
First Semester M.Com Degree Examination, November 2016
MC1C1- Business Environment
(2016 Admission onwards)

Max. Time: 3 hours

Max. Weightage: 36

Part A

Answer All Questions

Each question carries 1 weightage

1. What do you mean by FEMA?
2. What is meant by IPR?
3. Define bilateral agreement.
4. Define business environment.
5. What are the types of economic systems?
6. Define public enterprises.

(6 x 1 = 6)

Part B

Answer any Six of the following
Each question carries 3 weightage

7. What are the financial reforms adopted in Indian economy?
8. Briefly explain the benefits of WTO to India.
9. Explain the arguments against MNCs
10. What are the factors facilitating globalisation in India?
11. Explain the merits of Industrial Policy 1991.
12. Briefly explain the different types of public enterprises.
13. What are the external business environment factors?
14. Explain different intellectual property rights.

(6 x 3 = 18)

Part C

Answer any Two of the following
Each question carries 6 weightage

15. Explain the functions and principles of WTO.
16. Write a note on steps involved in environmental analysis.
17. Write an essay on role of MNCs in India.

(2 x 6 = 12)