

Bahir Dar University
Distance Education Program
2024 First Semester Assignment for the Course Leadership and Change
Management (Mgmt 3073)

Directions: Write short and brief answers for the following questions based the instruction given for each question.

Total weight = 40%

1. Write the main objectives of organizational change (5%).
2. Discuss path goal theory of leadership (8%)
3. Mention the most common variables which affect leadership effectiveness (12%)
4. Explain Internal & External Forces of Organizational Change. Don't forget mentioning the different factors and their examples (10%)
5. When conflict is too low management should increase it to the level that it becomes functional (Robbins, 1996). Describe these techniques which help to stimulate conflict. Show the characteristics of each technique. (5%).

**Bahir Dar University, Distance Program, Management Department, Business Research
Methods (Mgmt 3211), Assignment (40%)**

Part I: Give short answer to the following questions

1. A sample design is a definite plan for obtaining a sample from a given population. It refers to the technique or the procedure the researcher would adopt in selecting items for the sample. Sample design is determined before data are collected. There are many sample designs from which a researcher can choose. While developing a sampling design, the researcher must pay attention to various points. State at least five of these points. **10 pts**

2. Business research methods can be defined as a systematic and scientific procedure of data collection, compilation, analysis, interpretation, and implication pertaining to any business problem. Types of research methods can be classified into several categories according to nature and purpose of the study, methods of data collection, type of data, research design and other attributes. Mention and briefly describe the at least **five** of the different types of research. **10 pts**
3. The formidable problem that follows the task of defining the research problem is the preparation of the design of the research project, popularly known as the “research design”. Research design is the conceptual structure within which research is conducted; it constitutes the blueprint for the collection, measurement and analysis of data. It is needed for different reasons. State at least five of these reasons to have, good, research design. **10 pts**
4. What things should be studied to address a decision statement? Researchers answer this question by identifying key variables. A variable is anything that varies or changes from one instance to another. Variables can exhibit differences in value, usually in magnitude or strength, or in direction. State and discuss the different types of variables in research. **10 pts**

BAHIR DAR UNIVERSITY
COLLEGE OF BUSINESS AND ECONOMICS
DEPARTMENT OF MANAGEMENT
DISTANCE EDUCATION PROGRAM
ASSIGNMENT (40%)

COURSE: STATISTICS FOR MANAGEMENT II **COURSE CODE: 2073** *Management*

1. Explain the following terms:
 - A. Descriptive statistics (1pt)
 - B. Inferential statistics (1pt)
 - C. Population (1pt)
 - D. Sample (1pt)
 - E. Sample space (1pt)
2. What is the difference between random and non-random sampling? Explain the different types of random and nonrandom sampling? (5pts)
3. The yearly volume of beer production in XYZ brewery is normally distributed with a population average and standard deviation of 2400 liter and 1200 liter per day respectively. This year, if random samples of 100 production days are drawn, what is the probability that the mean volume of beer production is greater than 2688 liters? (4pts)
4. The proportion of defective products produced is normally distributed. The quality inspector took a random sample of 400 products and found 240 defective products. Estimate the interval of defective product proportion within 95% confidence level? (5pts)
5. For a population data having a standard deviation of 2, how large sample must be taken to estimate the mean within 0.02 and with 95.4% confidence level? (4 pts.)
6. The claims department at XYZ insurance Company reports that the mean cost to process a claim is 60 dollar. An industry comparison showed this amount was larger than the most other insurance Companies. To evaluate the effect of the cost cutting measures, XYZ selected a random sample of 26 claims and found the mean of this sample was 57 dollar. At the 0.01 significance level, should they conclude the cost cutting measure actually reduced the cost? (4pts)
7. One reads that a business school graduate with undergraduate degree earn more than a high school graduate and a person with master's degree or more earn even more. To test this, a random sample of 26 executives from Companies with asset over 1 million dollar was selected. This income classified by education level is:

High school	45	47	53	62	39	43	54	70	65
Degree	49	57	85	73	81	84	89	92	62
Master's	57	73	82	59	94	89	89	97	73
8. The following sample observation were randomly selected:

X	5	3	6	3	4	4	6	8
Y	13	15	7	12	13	11	9	5

Determine the regression equation? (6pts)

Bahir Dar University
Distance Education Program
2024 First Semester Assignment for the Course Organization Behaviour
(Mgmt 2083) / Mgmt 1014

Directions: Write short and brief answers for the following questions based the instruction given for each question.

Total weight = 40%

1. Explain the nature of OB (1 points each = 6%)
2. Write the basic physical abilities of individuals as proposed by Fleishman (1 points each = 9%)
3. Mention the factors which increase group cohesiveness (1 points each = 5%)
4. Mention Hygiene or Maintenance Factors (0.5 points each = 5%)
5. List the main strategies used to reduce individual stress (1 points each = 9%)
6. Discuss the guidelines for managers who want to create a global culture (1 points each = 6%)

BAHIR DAR UNIVERSITY

COLLEGE OF BUSINESS AND ECONOMICS

DEPARTMENT OF MANAGEMENT

DISTANCE EDUCATION PROGRAM

ASSIGNMENT (40%)

COURSE: **MANAGERIAL ECONOMICS** COURSE CODE: 3171 /3051 ^{MGMT}

1. Explain at least five determinant factors of consumer demand for a particular product? (5 points)
2. Explain the difference between fixed and variable production costs? Mention at least three examples for each cost types? (5 points)
3. A firm produces product X at per unit cost of birr 120. Selling 500 units of X a sales revenue of birr 800,000 is generated. If a total profit of birr 2000 is earned, determine the fixed production cost? (5 points)
4. Given the following demand and supply functions:

$$Q_d = 380 - 25p$$

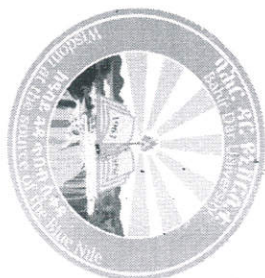
$$Q_s = 28 + 7p$$

- a. Find equilibrium price? (3pts)
 - b. Find equilibrium quantity (3pts)
 - c. Find the price level which would result excess demand over supply by 96 units? (3pts)
5. A company charges birr 15,000 for each Tv set and charge is reduced on every set by birr 100 if and only if more than 60 Tv sets are ordered. Find a revenue maximizing Tv set order? (3 points)
 6. The demand function for the product is $q = 250,000 - 200p$ and the cost function is $C = 500,000 + 250q + 0.003q^2$
 - a. Find the profit maximizing output level? (3point)
 - b. Find the maximum profit? (3 points)
 7. The total cost of producing a certain product is described by function:
 $TC = 4860 + 750,000Qq + 15q^2$
 - a. Find average cost minimizing output level? (4pts)
 - b. Verify marginal cost is equal with average cost ($MC=AC$) at average cost minimizing output level? (3pts)

Bahir Dar University		
College of Business and Economics		
Department of Management		
Academic Year: 2016 (2023/2024)	Semester: I	
Course Title: Business Communication/Contemporary Business Communication		
Course Code: MKTM 2032 /Mgmt 1052 /msm+2181		
Total Weight: <u>40%</u>		
Name of Student: _____ ID. No. _____		
Department: _____ Center: _____ Semester: _____		

Discussion Questions

1. Briefly describe the basic ways you can use to solve communication problems. (8 points)
2. Discuss the guidelines that can be used to prepare and present speech. (7 points)
3. Discuss the major guidelines a business communicator can use to make his/her information clear. (5 points)
4. Describe the elements of communication process. (8 points)
5. What might be the purposes of communication? (8 points)
6. Describe the four forms of formal communication. (4 points)



Distance Education Program
Bahir Dar University
College of Business and Economics
Department of Management

Introduction to Management Assignment, Course Code (Mgmt 2061) /2062/1051
Academic Year: March 2024, Semester: I

Total Weight: 40 %

Student Name: _____ ID No. _____

Department: _____ Center: _____ Semester: _____

Instruction

Dear Student, please read the following questions carefully and give a precise answer.

1. Discuss the three major categories of managerial skills. (6pts)
2. Explain the criticisms the principles of management. (4pts)
3. Discuss the characteristics of Bureaucratic theory of management. (12pts)
4. Discuss standing and single use plans. (8pts)
5. Discuss the three types of authority. (6pts)
6. Explain the situational theory of leadership. (4pts)

Bahir Dar University
College of Business and Economics
Department of Management
Distance education

Individual Assignment for the Course SYSTEM ANALYSIS AND DESIGN
Course code: MGMT 431 / 3093 Year 2016
Total weight 40%

Name ID No. Year Semester Center
Instruction: dear student please read your module, and then try to provide answer for the following questions

1. Discuss in detail the phases of system development life cycle (8 pts.)
2. Discuss in detail at least six of the dimensions of information quality (6 pts.)
3. Mention and briefly explain eight of the sub activities involved in the planning phase of project management process (8 pts.)
4. Briefly explain system planning and selection phase of system development life cycle along with the three main activities (8 pts.)
5. Briefly describe the internal guideline in internal input control design (6 pts.)
6. List and briefly describe the commandments in user interface design (4pts)

Bahir Dar University
College of Business and Economics

Department of Management

Academic Year: 2016 E.C (2023/2024)

Semester: I

Course Title: Business Mathematics

Course Code: Mgmt 2082/AcFN 2131

Total Weight: 40%

Name of Student: _____ **ID. No.** _____

Department: _____ **Center:** _____ **Semester:** _____

Part I: After carefully reading the following questions, try to answer all the given questions.

1. Suppose a retail business sells its commodities at a margin of 25% on all items purchased and sold. Moreover, the company uses a 5% commission as selling expense and Birr 12,000 as a fixed cost.
 - A. Develop the TC equation. (5 Marks)
 - B. Find the break-even revenue for the retail business. (5 Marks)
2. A division of the ministry of public health has conducted a sample survey on the public attitudes towards the use of condoms. From the results of the survey the department concluded that currently only 20% of the population uses condoms and every month 10% of non-users become users, where as 5% of users discontinue using.
 - A. Write the current transition matrices. (5 Marks)
 - B. What will be the percentage of users from total population just after two months? (5 Marks)
 - C. What will be the proportion of the non-users and users in the long run? (5 Marks)
3. A farm consists of 600 hectares of land of which 500 hectares will be planted with corn, barley and wheat, according to these conditions.
 - (1) At least half of the planted hectare should be in corn.
 - (2) No more than 200 hectares should be barley.
 - (3) The ratio of corn to wheat planted should be 2:1It costs Birr 20 per hectare to plant corn, Birr 15 per hectare to plant barley and Birr 12 per hectare to plant wheat. Formulate this problem as an LP model that will minimize planting cost while achieving the specified conditions. (5 Marks)
4. What are the compound amount and compound interest at the end of one year if Birr 10,000 is borrowed at 8% compound quarterly? (5 Marks)
5. How much must be deposited now in an account paying 6% compounded monthly in order to have just 20,000 Birr in the account 4 years from now? (5 Marks)

Bahir Dar University

College of Business and Economics

Department of Management

Academic Year: 2016 E.C (2023/2024) Semester: I

Course Title: Mathematics for Management

Course Code: Mgmt 2131

Total Weight: 40%

Name of Student: _____ **ID. No.** _____

Department: _____ **Center:** _____ **Semester:** _____

Part I: After carefully reading the following questions, try to answer all the given questions.

1. It is estimated that sales in the coming will be Birr 6000 and that fixed cost will be Birr 1000 and variable costs Birr 3,600.
 - A. Develop the total cost equation (5 Marks)
 - B. Find the breakeven revenue. (5 Marks)
2. A division of the ministry of public health has conducted a sample survey on the public attitudes towards the use of condoms. From the results of the survey the department concluded that currently only 20% of the population uses condoms and every month 10% of non-users become users, where as 5% of users discontinue using.
 - A. Write the current transition matrices. (5 Marks)
 - B. What will be the percentage of users from total population just after two months? (5 Marks)
 - C. What will be the proportion of the non-users and users in the long run? (5 Marks)
3. A diet is to include at least 140 mgs of vitamin A and at least 145 Mgs of vitamin B. These requirements are to be obtained from two types of foods: Type 1 and Type 2. Type 1 food contains 10Mgs of vitamin A and 20mgs of vitamin B per pound. Type 2 food contains 30mgs of vitamin A and 15 mgs of vitamin B per pound. If type 1 and 2 foods cost Birr 5 and Birr 8 per pound respectively, how many pounds of each type should be purchased to satisfy the requirements at a minimum cost? (5 Marks)
4. What is the effective rate of money invested at 6% compounded quarterly? (5 Marks)
5. A newly married couple are both working and decide to have Birr 1000 at the end of a month for a down payment on a home. The account earns 12% compound monthly. How large a down payment will they have saved in three years? (5 Marks)

Bahir Dar University
College of Business and Economics
Department of Management

Assignment for Distance Programme (40%)

Course Title: Statistics for Management I
Course Code: Mgmt 2072

Academic Year: 2016 E.C
Semester: IV

/2022

Part One: Discussion Questions (Total 14%)

1. Explain the meaning of the following six basic terms of statistics. *[1 Pt each = 6 Marks]*
 - a. Population
 - b. Sample
 - c. Element
 - d. Variable
 - e. Observation
 - f. Data set
2. Explain the concept of descriptive and inferential statistics? Give one example for each. *[2 Marks]*
3. Which measurement of central tendency is a better measure when a data set includes outliers? Explain your response. *[2 Marks]*
4. Discuss the similarity and difference between discrete and continuous probability distribution. *[2 Marks]*
5. Which measurement of central tendency can be calculated for qualitative data? Explain. *[2 Marks]*

Part Two: Workout Questions (Total 26%)

1. The following data give the results of a sample survey. The letters A, B, C, D and E represents the five categories of a sample survey: E, D, C, B, A, D, D, D, A, D, C, C, D, C, D, D, C, B, B, D.
 - a. What percentage of the elements in this sample belongs to category A or E? *[3 Marks]*
 - b. Find the degree of category D. *[2 Marks]*
2. The following data gives the money (in Birr) spent on textbooks by 15 students during 2014 -2015 academic calendar (E.C).

540	240	710	690	850
808	622	900	1000	640
760	350	620	800	290

After determining the approximate number of classes, construct a frequency distribution table including the class boundary and class mark for each classes. *[5 Marks]*

3. A sample survey of 128 smokers revealed the following frequency distribution of daily expenditure on smoking of these smokers.

Expenditure (Birr)	10-20	20-30	30-40	40-50	50-60	60-70
Number of smokers	23	44	35	12	9	5

Find the mode value of 128 sample survey smokers. *[6 Marks]*

4. The probability that a randomly chosen person in Ethiopia is 65 or older is approximately 20%. What is the probability that, in a randomly selected sample of 6 people, exactly 4 of them are 65 or older? *[5 Marks]*
5. An athlete finds that in the long jump her distance from a normal distribution with mean 6.1 meter and standard deviation 0.03 meter. Find the probability that three independent jumps will all be less than 6.17 meter? *[6 Marks]*

Bahir Dar University
College of Business and Economics
Department of Management

Assignment for Distance Programme (40%)

Course Title: Business Statistics
Course Code: AcFn 2133

Academic Year: 2016 E.C
Semester: V

Part One: Discussion Questions (Total 15%)

1. Explain the meaning of descriptive and inferential statistics? Give one example for each. [3 Marks]
2. Explain the meaning of the following four basic terms of statistics. [1 Pt each = 4 Marks]
 - a. Qualitative data
 - b. Quantitative data
 - c. Discrete data
 - d. Continuous data
3. Discuss the similarity and difference between discrete and continuous probability distribution. [2 Marks]
4. Explain the meaning of the following four basic terms of probability. [1 Pt each = 4 Marks]
 - a. Experiment
 - b. Event
 - c. Outcome
 - d. Sample space
5. Explain the difference between point estimate and interval estimate. [2 Marks]

Part Two: Workout Questions (Total 25%)

1. Given the following data sets: Data set I: {5, 5, 5, 5} Data set II: {4, 4, 6, 6} & Data set III: {3, 3, 7, 7}. Find the mean median and variance value. [2 Marks]
2. Suppose that in Ethiopia, there are vehicles of only three types: 20% of all vehicles are Ethiopian-made necessity cars, 40% are Ethiopian-made luxury cars and 35% are China –made luxury cars. If a vehicle is selected at random, what is the probability that it is Ethiopian made? [3 Marks]
3. What is the probability that in ten tosses of a fair coin, exactly five come down heads? [2 Marks]
4. If IQ scores are normally distributed with a mean of 100 and a standard deviation of 15, what proportion of people have IQs between 135 and 145? [3 Marks]

5. The total bill sizes of shoppers at a supermarket have a mean of 50 birr and a standard deviation of 12.75 birr. A group of researchers, who do not know that the population mean bill size is 50 birr.

a) Using 95% confidence level, find the interval bill sizes of a random sample of 100 shoppers. *[2 Marks]*

b) If the researchers want to construct 99 percent confidence level that are 5 birr wide, what sample size should they use? *[3 Marks]*

6. You want to test whether the cereal boxes made by your plant conform to the requirement that they contain 12 oz cereal. You wish to test at the 1% significance level, and you sample 100 boxes, finding sample mean equals 11.85 and standard deviation of 0.5. Do your cereal boxes meet the standard? *[5 Marks]*

7. In a survey about television, random samples of 100 respondents were asked if they thought there was too much or not enough sport on television. Of the 40 men in the sample, 15 said too much and the remaining 25 say there is not enough sport on television. Of the 60 women in the sample, 35 said too much while the remaining 25 say there is not enough sport on television. Using 10% level of significance, is there a significant association between gender and attitude to the amount of sport on television? *[5 Marks]*