

**SYBCOM**  
**Sem-IV**

**International Economics and Public Finance 2**

Assignment (1)

- (1) Discuss the drawbacks of a free market economy and state the role of government by highlighting the role, importance and scope of public finance in an economy like India.
- (2) Explain various causes of growing public expenditure.

Assignment (2)

- (1) Discuss the effects of taxation on (1) employment (2) production (3) savings and investment (4) productivity and (5) income distribution.
- (2) Explain meaning of taxation and types of taxation.

Assignments

S. Y. B. Com. Sem-IV

International economics  
and public finance - 2.

Assignment - 1

- (1) ગણેરે અર્થે પુબ્લિકના ઊદ્દેશો સમજાવો.
- (2) ગણેરે ખર્ચનાં વૃદ્ધિનાં કારણો સમજાવો.

Assignment - 2

- (1) સરકારનાં અર્થે અને યદિરાં સમજાવો.
- (2) સરકારનાં અર્થે સમજાવો.

**R.J TIBREWAL COMMERCE COLLEGE**  
**S.Y.B.COM**  
**PRODUCTION MANAGEMENT (CC-207)**  
**(2020-21)**

**SEM-4 (2020-21)**  
**ENGLISH MEDIUM**

**ASSIGNMENTS-1**

1. What is meant by the term 'production'? Explain various types of production processes in detail.
2. Explain 5Rs of purchasing in detail.

**ASSIGNMENT-2**

1. Discuss ABC method of inventory control with help of a diagram.
2. Give meaning of 'New Product'. Explain various reasons for failure in launching a new product in the market.

ગુજરાતી માધ્યમ

**ASSIGNMENT-1**

1. 'ઉત્પાદન' શબ્દનો અર્થ આપો. ઉત્પાદન પ્રક્રિયાના વિવિધ પ્રકારો વર્ણવો.
2. ખરીદીના 5Rs સમજાવો.

**ASSIGNMENT-2**

1. માલસામગ્રી અંકુશની ABC પદ્ધતીની ચર્ચા કરો.
2. નવી પેદાશનો અર્થ આપો તેમજ નવી પેદાશ બજારમાં નિષ્ફળ જવાના કારણો સમજાવો.

xx



R.J.TIBREWAL COMMERCE COLLEGE  
VASTRAPUR  
SEMESTER-IV  
2020-21  
**CC IV ASSIGNMENTS**



Note: 1) This document contains Two Assignments  
2) Submit both assignments separately.

**ASSIGNMENT 1**

On behalf of *CINTEL COMPUTERS* draft an offer letter to Starline, Ahmedabad, specifying terms and conditions of agency.

**ASSIGNMENT 2**

WRITE SHORT NOTES ON THE FOLLOWING:

1. How the Hermit helped the king in giving answers to his questions.
2. The kind of girl Lakshmi Bai was.



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 1: Differentiation**

**Q.1** Explain the meaning of Differentiation of a function. Give its definition. Find the derivative of  $\sqrt{x}$  and  $x^3$  using definition.

**Q.2**

Differentiate the following functions with respect to  $x$ .

1.  $y = (5x + 2x^2)(\sqrt{x} + 3x)$

2.  $f(x) = \log \left[ e^{5x} \left( \frac{2x+3}{x-3} \right)^3 \right]$

**Assignment 2: Application of Derivatives**

**Q.1**

Explain the meaning of elasticity of demand and prove that  $\eta = \frac{AR}{AR - MR}$  ..

**Q.2**

Demand function of a commodity is  $p = 40 - x$  and its cost function is  $C(x) = 12x^2 + 10x + 20$  Where  $p$  is the price and  $x$  is the quantity. Find

(i) The quantity for maximum profit.

(ii) the price for maximum profit.



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 3: Index Number**

**Q.1 Explain the meaning of index number and give its uses and limitations.**

**Q.2 From the following data, find index number by using different methods of total expenditure.**

Items	Base year		Current year	
	Expense	Quantity	Price	Expense
A	2500	250	150	4500
B	3600	300	180	63000
C	12000	800	160	14400
D	4000	500	120	7800
E	13000	650	180	10800

**Assignment 4: Time Series**

**Q.1 Define analysis of Time Series. Explain its uses.**

**Q.2 Obtain trend by taking appropriate period of moving averages from the following time series and also obtain short term fluctuations.**

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Profit (in lakhs)	100	120	125	130	110	115	120	125	105	105
Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Profit (in lakhs)	115	120	100	110	115	120	85	95	100	115



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 1: વિકલન**

**Q.1** વિધેયના વિકલનનો અર્થ આપી તેની વ્યાખ્યા આપો. વ્યાખ્યાનો ઉપયોગ કરીને  $\sqrt{x}$  અને  $x^3$  ના વિકલન મેળવો..

**Q.2** નીચે આપેલ વિધેયોનું  $x$  ની સાપેક્ષ માં વિકલન કરો.

1.  $y = (5x + 2x^2)(\sqrt{x} + 3x)$       2.  $f(x) = \log \left[ e^{5x} \left( \frac{2x+3}{x-3} \right)^3 \right]$

**Assignment 2: વિકલીતના ઉપયોગો**

**Q.1** માંગની મુલ્ય સાપેક્ષતાનો અર્થ આપો અને તેના માટે  $\eta = \frac{AR}{AR - MR}$  સાબિત કરો.

**Q.2** એક વસ્તુની માંગનું વિધેય  $p = 40 - x$  છે અને તેના માટે ખર્ચનું વિધેય

$C(x) = 12x^2 + 10x + 20$  જ્યાં  $p$  એ કીમત અને  $x$  એ જથ્થો દર્શાવે છે.

(i) મહત્તમ નફો મેળવવા માટે જથ્થો મેળવો.

(ii) મહત્તમ નફો મેળવવા માટે કીમત મેળવો.



R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.  
Department of Statistics

Semester – 4

(Year – 2020-21)

Assignment 3: સૂચકઆંક

Q.1 સૂચકઆંકનો અર્થ સમજાવો અને તેના ઉપયોગો તેમજ મર્યાદાઓ જણાવો.

Q.2 નીચે આપેલી માહિતી માટે કુલખર્ચની જુદી જુદી રીતોની મદદથી સૂચકઆંક મેળવો.

વસ્તુ	આધારવર્ષ		ચાલુ વર્ષ	
	ખર્ચ	જથ્થો	કીમત	ખર્ચ
A	2500	250	150	4500
B	3600	300	180	63000
C	12000	800	160	14400
D	4000	500	120	7800
E	13000	650	180	10800

Assignment 4: સામાયિક શ્રેણી

Q.1 સામાયિક શ્રેણીના પૃથકરણની વ્યાખ્યા આપો અને તેના ઉપયોગો જણાવો.

Q.2 યોગ્ય ચલિત સરેરાસનો સમયગાળો લઈને નીચે આપેલી માહિતી માટે વલણ મેળવો તેમજ અલ્પકાલીન વધઘટ પણ મેળવો.

વર્ષ	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
નફો (લાખમાં)	100	120	125	130	110	115	120	125	105	105
વર્ષ	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
નફો (લાખમાં)	115	120	100	110	115	120	85	95	100	115



## Sem-IV

### R. J. TIBREWAL COMMERCE COLLEGE, VASTRAPUR, AHMEDABAD-380015

#### Course (Sub.): CE 203 A – Cost Accounting – II Assignment-1

Rajan Pens produced and sold 200 pens during 2019-20. There was no opening or closing stock of finished goods in 2019-20. Information relating to year 2019-20 was as under.

Particulars	Rs.
Direct Material Consumed	150000
Direct Wages	80000
Other Direct Expenses	20000
Factory Overheads	120000
Administrative Overheads	145000
Selling overheads	25000
Sales	675000

As compared to 2019-20, estimate for the year 2020-21 is as under.

1. Production and sales will be double.
2. Cost of direct material per unit will increase by Rs. 75.
3. Cost of direct wages per unit will be reduced to Rs. 370.
4. There will be increase of 5% per unit in other direct expenses.
5. Factory overheads will be  $\frac{1}{3}^{\text{rd}}$  of Factory Cost.
6. Administrative overheads will increase to Rs. 260000.
7. Selling overheads per unit will increase by Rs. 125.
8. Selling price per unit will decrease by Rs. 240.

From the above information, prepare Unit Cost Sheet for the year 2019-20 and estimated Unit Cost Sheet for 2020-21. You are required to show total and per unit cost of each element in Cost Sheets. Also ascertain rate of profit as percentage of sales for both the years.



**R. J. TIBREWAL COMMERCE COLLEGE,  
VASTRAPUR, AHMEDABAD-380015**  
**Course (Sub.): CE 203 A – Cost Accounting – II**  
**Assignment-2**

Raj Travels has a bus that runs between Ahmedabad and Dhandhuka. This bus makes two round trips every day. One way distance between Ahmedabad and Dhandhuka is 120 kms. Bus has seating capacity to carry 50 passengers. On outward and inward journeys, passengers equal to 80% and 90% respectively of seating capacity are available. Bus runs for 25 days in a month. Details of expenses and other information relating to the Bus are as under.

Particulars	Rs.
Road Tax per annum	12000
Garage Rent per month	7000
Repairs and Maintenance Expenses: 20% of Depreciation	
Expected life of Bus: 10 Years	
Insurance premium of bus per annum at 3% of cost	60000
Commission payable to booking agents: 15% of Fare	
Driver's salary per month	18000
Cleaner's salary per month	13000
Conductor's salary per month	16000
Stationery expenses per year	60000
Accountant's salary per month	20000
Other administrative expenses per annum	679200
Cost of diesel per liter	90
Average per liter of diesel: 10 kms.	
Oil and lubrication expenses per 10 kms.	8
Scrap value of bus at the end of useful life	200000

From the above information, prepare statement of operating cost and also determine fare per passenger for one way journey between Ahmedabad and Dhandhuka to earn profit of 20% on fare. Give all workings as a part of your answer.



R. J. Tibrewal Commerce College  
 Cost Accounting - II [CE-203A] B.Com. Sem IV

Assignment - I

वर्ष 2019-20 दरम्यान राजीव जी. झार 200 विंगों —  
 उत्पादन को बेचा जाये. त वर्ष दरम्यान बेचा जा  
 शरको 5 कामरको 25% वक्ष. वर्ष 2019-20 अंत  
 मारिम नये मुक्त है.

विंग	₹.
जाया माहको अपराश	150000
प्रत्यक्ष मजुरी	80000
अन्य प्रत्यक्ष मया	20000
कारभाना पराक मया	120000
वहीवरी पराक मया	145000
बेचाल पराक मया	25000
बेचाल	675000

वर्ष 2019-20 की सरभामली में वर्ष 2020-21 मारिम  
 अंदाजे नये मुक्त की.

1. उत्पादन को बेचाल बनला थरी.
2. अकमदीस जाया माहको अपराश ₹. 75 क वक्ष.
3. अकमदीस प्रत्यक्ष मजुरी वरीक ₹. 370 थरी.
4. अन्य प्रत्यक्ष मया (मा अकमदीस 5% को वक्ष थरी.
5. कारभाना पराक मया को कारभाना मसनरमा  $\frac{1}{3}$  है.
6. वहीवरी पराक मया (मा ₹. 260000 को वक्ष थरी.
7. अकमदीस बेचाल पराक मया ₹. 125 क वक्ष थरी.
8. अकमदीस बेचाल फिन ₹. 240 क वक्ष थरी.

उपरकी मारिम परक्षी वर्ष 2019-20 गु मरेमर को  
 वर्ष 2020-21 गु अंदाजे अकम मसनर मया बेचा थरी  
 अकमदीस गंलनरी मल दशा (मा). को वर्ष मारि बेचाल  
 मर वक्षकी 25 पारीको 22 मल शोदी को मा मया  
 दशा (मा).



R. J. Tibrewal Commerce College  
 Cost Accounting - II [CE - 2034]  
 B. Com. Sem. IV

Assignment - II

राज ड्राफ्ट्स पास कर लेता है वह अमदावाद को  
 दंडुका पर्ये छोड़ है। उस राजको जे वपना ड्रॉप कर है।  
 अमदावाद को दंडुका पर्ये गुं अंत करत गुं अंतर 120  
 कि.मी. है। उसको जे करत अंतर 50 कि.मी. को  
 करत 80% अंत जावना 90% जे करत अंतर 100 कि.मी.  
 को है। उस करत 25 दिवस जाते है। मय  
 अंत अन्य विगतो नये मुजद है।

उस अंतो मय अंत अन्य विगत

	₹.
	12000
	7000
वापिक राड टुअ	
मासिक गोरक लाड	
गराज मय : इसाराको 20%	
उसके अंतको आयुधय : 10 वर्ष	
पडरको 3% लेके करत वापिक विमा प्रिमयो 60000	
गुडींग अकरके मयवागुं करत : मासिक 15%	
मासिक पगार ड्राइवरको	18000
ड्राइवरको मासिक पगार	13000
ड्राइवरको मासिक पगार	16000
वापिक स्टेशनरी मय	60000
इसाकनीको मासिक पगार	20000
अन्य पलीपरी मय वापिक	679200
लाड दोड डीजलको पडर	90
लाड दोड अकरक : 10 कि.मी.	
10 कि.मी. माटे साधक अंत लुडीकर मय	8
अंतको आयुधयको अंत करत लीगाड किमी	200000

उपरको विगतो परथा सेवा पडर पत्रक तैयार करे  
 अंत उताड दोड अंत करत लुडीकर मय  
 लुडीकर को करत राज ड्राफ्टको लाड पर 20%  
 करत करे। जे व गलाकरीको लुडीकर मय  
 लाडको दशावो।



**R.J. TIBREWAL COMMERCE COLLEGE**  
**VASTRAPUR AHMEDABAD—380 015.**  
**S.Y. B.COM ( SEMESTER-IV)**  
**AUDITING-1(CE 204-A)**

**ASSIGNMENT NO. 1 and 2 (2020-21)**

**ASSIGNMENT NO. 1**

**Reply the following questions:**

- Q.1 How goods are misappropriated ? How it can be detected and prevented?  
Q.2 Which points should be considered at the time of commencing a new audit.

----- XX -----

**ASSIGNMENT NO. 2**

**Reply the following questions:**

- Q.1 Which points should be considered in vouching?. How will you vouch the following?.  
(1) Collection from debtors (2) Travelling expenses
- Q.2 Write short notes on the following:
1. "Rights and duties of Auditors".
  2. "Remuneration of an Auditor"



સેમીસ્ટર-IV

R.J. TIBREWAL COMMERCE COLLEGE  
VASTRAPUR AHMEDABAD—380 015  
S.Y. B.COM ( SEMESTER-IV)  
AUDITING-1(CE 204-A)

**ASSIGNMENT NO. 1 and 2 (2020-21)**

**ASSIGNMENT NO. 1**

નીચેના પ્રશ્નો ના જવાબ આપો:

- Q.1 માલ ની ઉપચાત કેવી રીતે થાય? તે કેવી રીતે શોધી શકાય અને અટકાવી શકાય?
- Q.2 નવું ઓડીટ શરુ કરતી વખતે કયા મુદ્દા ધ્યાન માં રાખવા જોઈએ?

**ASSIGNMENT NO. 2**

નીચેના પ્રશ્નો ના જવાબ આપો:

- Q.1 વાઉચીંગ કરતી વખતે કયા મુદ્દા ધ્યાનમાં રાખશો? નીચેનાનું વાઉચીંગ કેવી રીતે કરશો?

(1) દેવાદારો પાસેથી ઉધરાણી (2) મુસાફરી ખર્ચ

- Q.2 નીચેના પર ટુકનોધ લખો.

1. ઓડીટરના હક્કો અને ફરજો.
2. ઓડીટરનું મહેનતાણું



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**  
**CE-203 B Statistics - V**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 1:**

**Q.1 Define Mathematical Expectation. State and prove the addition rule on mathematical expectation.**

**Q.2 For the following data find (i)  $E(2x - 3y)$  (ii)  $Cov(2x, -3y)$  (iii)  $V(3x - 2y)$**

$x \backslash y$	2	3	4
-2	0.10	0.10	0.05
-1	0.05	0.05	0.15
0	0.20	0.15	0.05
1	0.05	0.05	0

**Assignment 2:**

**Q.3 For Poisson distribution, prove that mean and variance are equal.**

**Q.4 Find expected frequencies of the number of girls in 1600 families each having 5 children. Give mean and variance of this distribution.**



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**  
**CE-203 B Statistics - V**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 3:**

**Q.1 Write probability mass function of Hyper geometric distribution and its mean. Obtain its variance.**

**Q.2 A die is thrown and getting 1 or 6 is regarded as success. Find the probability that more than six trials are required to get second success. Find mean and variance of it.**

**Assignment 4:**

**Q.3 Write probability density function of Normal distribution and obtain its mean.**

**Q.4 Find the mean and standard deviation of a normal distribution of marks where 15% of the candidates obtained marks below 25 and 10% got above 90 marks.**



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**  
**CE-204 B Statistics - VI**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 1:**

**Q.1 State and prove the formula to obtain equation of a line when slope of the line and one point is known.**

**Q.2 Find the equation of the straight line passing through the point (5,-3) and**  
**(i) perpendicular to the line  $5x - 2y + 10 = 0$  and**  
**(ii) parallel to the line  $5x - 2y + 10 = 0$ .**

**Assignment 2:**

**Q.3 Define Arithmetic and Geometric Progression. Write the formula of nth term and sum of n terms of both the progressions.**

**Q.4 Three numbers are in A.P. and their sum is 150. If 10, 10, 90 be added to them respectively, they form a G.P. Find the numbers.**

**Q.5 A sum of Rs. 312 is divided among four persons A, B, C, D; the amounts received by them forms a GP. If A and D together receive Rs. 252, find the amount received by each person separately.**



**R. J. Tibrewal Commerce College, Vastrapur, Ahmedabad.**  
**Department of Statistics**  
**CE-204 B Statistics - VI**

**Semester – 4**

**(Year – 2020-21)**

**Assignment 3:**

**Q.1 What is Linear Programming Problem (LPP)? Write its uses and limitations.**

**Q.2 Using Graphical Method, solve the following LPP.**

$$\text{Max } Z = 1200x_1 + 1600x_2$$

**Subject to the constraints,**

$$2x_1 + 5x_2 \leq 150, \quad -x_1 + 3x_2 \leq -300, \quad 3x_1 - 2x_2 \geq 200, \quad x_1 \leq 2x_2 \quad x_1, x_2 \geq 0$$

**Assignment 4:**

**Q.3 Explain the following terms in context of Simplex method.**

**(i) Unbounded Solution (ii) Multiple optimum solutions (iii) Basic feasible Solution**

**Q.4 Solve the following LPP using Simplex method.**

$$\text{Max. } Z = 10x_1 + 12x_2$$

*Subject to the constraints,*

$$2x_1 + 3x_2 \leq 120, \quad x_1 + 2x_2 \leq 100, \quad 5x_1 + 3x_2 \leq 180; \quad x_1, x_2 \geq 0$$



**R J TIBREWAL COMMERCE COLLEGE, VASTRAPUR, AHMEDABAD 380 015**

**SY BCOM  
SUBJECT CODE: - CE 203 D  
SUBJECT: - E Commerce II  
SEMESTER IV  
(2020-21)**

**ASSIGNMENT: - 1**

Q. 1 Write note on

- a) Digital signature
- b) Wireless applications of Mobile Commerce

**ASSIGNMENT: - 2**

Q. 1 Explain Following in detail

- (a) Features of Payroll and Pay Heads
- (b) Features and Benefits of TDS and TDS Vouchers



**R J TIBREWAL COMMERCE COLLEGE, VASTRAPUR, AHMEDABAD 380 015**

**SY BCOM**

**SUBJECT CODE: - CE 204(D)**

**SUBJECT: - Database Management Systems Using SQL**

**SEMESTER IV**

**((2020-21))**

**ASSIGNMENT: - 1**

Q. 1. Explain in detail

- (a) Entities with Relationship Types – 1:1, M: N
- (b) Differentiate between (i) DBMS and RDBMS (ii) Strong and Weak Keys

**ASSIGNMENT: 2**

Q. 1 Explain following.

- (a) What do you mean by Query in MS Access? Explain Cross Tab Queries, Action Queries, Make Table Queries
- (b) Explain Macro and its uses