

# **JG COLLEGE OF COMMERCE**

## **Assignment – 2019**

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**Subject**

**Pg. No.**

#### **F.Y. B.COM. - SEM. 2**

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## **SUBJECT:- PRINCIPLES OF ECONOMICS - 2**

1. Explain the Total Fixed Cost, Total Variable Cost and Total Cost in detail.
2. Explain the AR and MR under Perfect Competition and Monopoly.
3. Explain the characteristics of Perfect Competition in detail.
4. Explain the short and long term equilibrium of a firm under perfect competition.
5. Explain the short and long term equilibrium of a firm under Monopoly.
6. Explain the Characteristics of Monopolistic Competition in detail.
7. Explain the Marginal Productivity theory of distribution in detail.

## **SUBJECT : FUNDAMENTALS OF MARKETING MANAGEMENT**

1. Explain four P components of marketing
2. Explain factors affecting Market Demand.
3. Explain advantages of branding in detail.
4. Explain the stages in the buying decision process
5. Difference between Market Research and Marketing Research
6. Describe in detail the steps of Marketing Research.



## JG College of Commerce

Ahmedabad-54

### Assignment

F.Y. B.Com. Semester-2

Subject: - Accountancy II

Q1) Mr. Rajmohan had on 1-4-2017, 12% Jigar Ltd. Bond having face value of Rs. 100000 and book value Rs. 98000. Jigar Ltd. Pay interest half yearly on 30<sup>th</sup> June and 31<sup>st</sup> December every year. Following are the purchases and sales of bonds by Mr. Rajmohan during the year ended on 31<sup>st</sup> March, 2018. Brokerage is payable at 1@ on market price for every purchase and sale transaction:

Date	Face Value Rs.	Price Rs.	Remarks
1/5/17	50000	102	Cum Interest Purchase
1/7/17	60000	97	Ex-Interest Purchase
16/9/17	80000	108	Cum Interest Sale
1/12/17	30000	98	Ex-Interest Purchase
16/3/18	60000	104	Ex-Interest Sale

Investment Stock is valued as per FIFO method.

From the above information find out cost price of purchase and sale in each transaction and prepare 12% Jigar Ltd. Bond Account.

Q2) On 1-7-2015 Sagar and Dhaval entered into Joint Venture with a condition to share Profit and Loss in ratio of 3:2 respectively. They deposited Rs. 120000 and Rs 80000 respectively into their joint bank account.

They decided that joint bank account is to be used for purchases and sales, while joint venture expenses are to be paid by each partner from their private fund.

Sagar is to be paid a Salary of Rs. 4000 per month and Dhaval is to be paid a commission at the rate of 8% on the sales made by him.

Sagar purchased goods worth Rs. 100000 at 10% Trade discount and paid Rs. 1000 as expenses. Dhaval Purchased goods worth Rs. 80000 at 5% Trade discount and paid Rs. 800 for expenses.

Dhaval sold some of the goods for Rs. 200000 and paid Rs. 200 for sundry expenses. Remaining unsold goods for Rs 60000 were purchased by Sagar for his personal use and also accepted to pay Rs. 2000 to Ambica Stationers and Printers for Stationery purchased on credit from them, for Joint venture Business.

On 31-12-15, the joint venture business was closed and accounts were settled.

From the above particulars, Prepare Joint Venture Account, Joint Bank Account and Co-Ventures Accounts.

Q3) Explain in Brief different parts of computers with its functions

Q4) Write Short Notes on 1) Limitations of Computer 2) Tally Software Systems

## **SUBJECT: COMMERCIAL COMMUNICATION**

- Q.1. Verbal and Non - Verbal Communication - Introduction, Forms and Difference.
- Q.2. Mention the Regular and Occasional Parts of a Business Letter - with examples.
- Q.3. List the Words commonly used in Business Communication with their meanings. (50 Vocabulary given in the book)

## **SUBJECT: GENERAL ENGLISH**

### **Write brief answers of the following.**

1. What is the aim of Digital India?
2. What is e-Education ?
3. What is MyGov?
4. Describe e-Health care in brief.
5. How did the writer react when he heard news of Gandhiji's assassination?
6. How and Why was civil disobedience important in Gandhiji's life?
7. Why did Gandhiji regret the adulation he received ?
8. What is the Wipro brand promise of 'Applying Thought'?
9. What is Azim Premji Foundation?
10. What is the Wipro Way?
11. Describe the primary reason behind Wipro's success.
12. Explain the 'Gypsy' reference in the poem 'On Fame'.
13. 'Ye Love-sick Bards! Repay her scorn for scorn'. Explain this line with reference to context.
14. Can one experience bliss in the search for glory? Explain.
15. Describe the speakers' relationship with God in 'To Be Weak is Miserable'.
16. 'The seat of desolation, void of light'. Explain this line with reference to context.
17. Explain the term 'The Sulphurous Hail'.
18. Write about the qualities of daffodils.
19. Give an example of personification in the poem 'To Daffodils'.
20. 'We die, As your hours do'. Explain this line with reference to context.
21. Why did Gandhiji regret the adulation he received?

### **Write a short note on the following.**

1. The pillars of the Digital India movement
2. e-Kranti and its salient Features
3. Gandhiji as a champion of non-violence
4. Gandhiji's efforts to liberate India
5. The various awards and accolades conferred on Azim Premji
6. The reason behind Wipro's international success
7. The various nature imageries used in 'On Fame'
8. The situation going on in 'To Be Weak is Miserable'
9. The role of nature in the poem 'To Daffodils'

### **Develop a dialogue on following in about 100 words.**

1. A conversation about students' participation in politics
2. A talk about movie
3. A conversation on the celebration of days in your college

## SUBJECT: OPERATIONS RESEARCH

### Theory:

1. What is Linear Programming? Explain its Mathematical Form. Also state its uses.
2. Explain following terms: Objective Function, Constraints, Solution, Feasible Solution, and Optimum feasible Solution.
3. State different methods for solving transportation problem. Explain any two of them.
4. What is transportation problem? Explain its mathematical form.
5. Short note on Replacement Theory (Problem).
6. What is assignment problem? Explain its mathematical form.
7. Short Note on PERT
8. Write the detailed difference between PERT and CPM.
9. Explain: Activity, CPM, Dummy Activity, Most Likely Time, and Expected Time.
10. Short Note on Operations Research.

### Sums:

1. Solve the following LPP by graphical method.  

$$\text{Min } Z = 5x + 7y,$$

$$\text{s.t.c. } -3x + 4y \leq 12, 2x - y \geq -2, x \leq 4, y \geq 2, x, y \geq 0$$
2. Solve the following LPP by graphical method.  

$$\text{Max } Z = 4x + 3y$$
 Following are the constraints :-  

$$2x + y \leq 1000, x + y \leq 800, x \leq 400, y \leq 700 \text{ and } x, y \geq 0.$$
3. A shop keeper sells Mobile phones and Tablets. He can sell at the most 10 instruments per day. At least one tablet can be sold daily and the sale of mobiles is atleast four more than that of tablets. The profit earned from each mobile is ₹ 1000 and that from each tablet is ₹ 2000. How many instruments should be sold daily to maximize the profit?
4. Solve the following Transportation problem by all the three methods, find the units to be transported and also find the Total Cost of Transportation.

Origin	Destination					Supply
	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	D <sub>5</sub>	
P1	5	4	7	6	3	5
P2	3	5	3	2	6	9
P3	3	4	7	5	5	15
Demand	7	4	9	7	2	29

5. Solve the following Transportation problem by all the three methods, find the units to be transported and also find the Total Cost of Transportation:

Origin	Destination			
	W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>	W <sub>4</sub>
P <sub>1</sub>	19	30	50	10
P <sub>2</sub>	70	30	40	60
P <sub>3</sub>	40	10	60	20

The origin has availability of 90, 110 and 200 units respectively and demands of the four destinations are 65, 95, 85 and 155 units respectively.

6. Four different jobs can be done on four different machines.

Jobs	Machine			
	M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	M <sub>4</sub>
J <sub>1</sub>	5	7	11	6
J <sub>2</sub>	8	5	9	6
J <sub>3</sub>	4	7	10	7
J <sub>4</sub>	10	4	8	3

Solve the following assignment problem by, Hungarian method and show, how the jobs should be assigned to the various machines so that the total cost is minimised.

7. A truck owner finds from his past records that the maintenance costs per year of a truck whose purchase price is Rs.8000 are as given below :

Year	1	2	3	4	5	6	7	8
Maintenance cost	1000	1300	1700	2200	2900	3800	4800	6000
Resale price	4000	2000	1200	600	500	400	400	400

Determine the time at which it is profitable to replace the tempo.

8. Draw PERT chart and find CPM from the following:

Activity	A	B	C	D	E	F	G
Predecessor activity	-	A	A	B	B,C	E	D,F
Time	7	8	6	5	6	9	8

9. Determine EFT, LFT and float time for each of the following activities:

Activity	1-2	2-3	3-4	3-5	4-6	5-6	6-7
Time	2	4	3	2	4	3	8



10. Obtain the expected time for the activities of the following project and prepare PERT chart. Also obtain critical path for XYZ Ltd. Company.

<b>Job</b>	<b>Route</b>	<b>Optimistic time <math>t_0</math></b>	<b>Most likely time <math>t_m</math></b>	<b>Pessimistic time <math>t_p</math></b>
a	1-2	6	8	10
b	1-3	16	20	24
c	1-4	26	33	34
d	3-5	13	15	20
e	2-6	15	18	21
f	3-6	6	9	15
g	4-7	7	10	13
h	5-7	7	8	9
i	6-7	3	4	5

**ASSIGNMENT QUESTIONS**  
**FOR THE ACADEMIC YEAR 2018-19**  
**F.Y.B.COM. – FINANCIAL ACCOUNTING -2**

Q – 1 Dinesh and Lal are partners in a firm under the name of "Dinesh Lal Traders" sharing profits and losses in the ratio of 2:1.

The balance sheet of the firm on 31-3-2013 is as under.

Liabilities	Rs.	Assets	Rs.
<b>Capital :</b>		Land and Building	1,80,000
Dinesh           1,50,000		Furniture	1,20,000
Lal <u>1,10,000</u>	2,60,000	Stock	1,10,000
Workmen Profit Sharing		Investments (Market	
Fund	10,000	Value Rs. 40,000)	30,000
Workmen Compensation		Debtors           85,000	
Fund	15,000	Less : BD        5,000	
Bank Loan	2,00,000	BDR <u>10,000</u>	70,000
Creditors	25,000	Cash on Hand	10,000
Bills Payable	10,000		
	<u>5,20,000</u>		<u>5,20,000</u>

Kartik Ltd. Was formed with an authorized capital of Rs. 5,00,000 equity shares of Rs. 100 each to purchase the business of the firm as per terms and conditions given below:

1. Land and Building as shown in the books is 10% less than the Market value and Stock is over valued by 10%.
2. The Goodwill of the firm valued at 1/5 of the total profits of the last five years. The Average profit for the last five years was Rs. 50,000
3. Debtors are subject to 10% Bad Debts Reserve.
4. The purchase consideration was satisfied in 2500 equity shares of Rs. 80 paid up at the rate of Rs. 120 and balance amount in Cash.
5. The company made a public issue of remaining equity shares at Rs. 80 Paid up.

Pass necessary journal entries in the books of the company and prepare its initial balance sheet

**OR**

- A Write all necessary Journal Entries related to Vendors' Suspense Account and state its effect in Balance sheet of Purchasing Company.
- B Write a Short note on Accounting Standard (any one)
  - i. AS – 2 Valuation of Inventories
  - ii. AS – 6 Accounting for Depreciation

**Q-2** Dance Ltd. Issued 4,00,000 shares each of Rs. 10. Following three underwriters have taken responsibility as under :

<u>Tak</u>	<u>Dhina</u>	<u>Dhin</u>
2,40,000 Shares	1,00,000 Shares	60,000 Shares

They have also agreed for firm underwriting for following shares :

<u>Tak</u>	<u>Dhina</u>	<u>Dhin</u>
32,000 Shares	12,000 Shares	40,000 Shares

The company received applications for 3,00,000 shares which does not include firm underwriting. Out of these, marked applications were as under:

<u>Tak</u>	<u>Dhina</u>	<u>Dhin</u>
40,000 Shares	80,000 Shares	20,000 Shares

1. Fix the liability of each underwriter. No credit is given for firm underwriting.
2. Give journal Entries in the books of Dance Ltd.

**OR**

**A** The following are the balances as on 1-1-2014 extracted from the books of Taal Ltd.:

	<b>Rs.</b>
12% Debenture	6,00,000
Debenture Redemption Fund	4,50,000
8% Debenture Redemption Fund Investments	4,50,000

The Company transfers Rs. 20,000 every year to debenture redemption fund account. After receiving interest on investment, company sold out the said investment at 20% profit and debentures amounting to Rs. 4,80,000 were redeemed to 31-12-2014

Prepare following accounts in the books of the company :

1. 12% Debentures Account
2. Debenture Redemption Fund Account
3. 8% Debenture Redemption Fund Investment Account

**B** Write journal entries to record the Consolidation, Sub division, and Conversion of shares into Stock

**Q-3** The balance sheet of the Soor Ltd., as on 31-03-2013 is as under:

Liabilities	Rs.	Assets	Rs.
Equity shares of Rs. 100 each fully paid	7,50,000	Goodwill	2,00,000
10% Cum. pref. Shares of Rs. 100 each fully Paid	5,00,000	Patent	1,00,000
General Reserve	5,000	Land-Building	4,00,000
Accident Comp. Fund	1,05,000	Plant-Machinery	2,50,000
10% Debenture	2,00,000	Investments	1,00,000
Outstanding Deb. Interest	20,000	Stock	2,50,000
Creditors	1,80,000	Cash and bank	30,000
		Debtors 84,000	
		- Bad Debts 4,000	80,000
		Preliminary Expenses	3,50,000
<b>Total</b>	<b>17,60,000</b>	<b>Total</b>	<b>17,60,000</b>

A Scheme of Capital Reduction as approved by the court was as follows:

1. Equity shares to be reduced by Rs. 80 and Pref. share to be reduced to Rs. 80
2. Debenture-holders agreed to waive their outstanding interest.
3. Out of the Total Creditors, the Creditors of Rs. 80,000 are agreed to waive 25% and accepted the equity shares of the company for remaining amount.
4. Preference shareholders are agreed to waive half of the pref. dividend in arrears for two years and accepted the equity shares of the company for remaining amount.
5. The company has admitted a claim of Rs. 25,000 for accident compensation.
6. All invisible and fictitious assets are to be written off.
7. The machinery is to be reduced to Rs. 2,00,000. Investments are to be reduced by 25% and stock by 10%. The bad debts reserve is provided on debtors at 25%.

Write journal entries and prepare new balance sheet.

OR

3A Write all necessary journal entries with imaginary figures regarding Capital Reductions and prepare Capital reduction account on that basis.

3B State the provisions of companies Act for Capital Reduction.

Q - 4 The following balance are extracted in respect of their Fire and Marine department for the year ended 31<sup>st</sup> December 2014 from the books of India Insurance Company:

Particulars	Fire (Rs.)	Marine (Rs.)
Premiums	10,20,000	5,10,000
Premiums on re-insurance ceded	50,000	25,000
Premiums on re-insurance accepted	30,000	15,000
Claims paid	3,00,000	2,40,000
Re-insurance recoveries	20,000	10,000
Estimated liabilities in respect of outstanding Claims-		
On 31 <sup>st</sup> December 2013	50,000	40,000
On 31 <sup>st</sup> December 2014	75,000	50,000
Commission on direct business	1,00,000	75,000
Commission on re-insurance accepted	21,000	43,000
Commission on re-insurance ceded	30,000	25,000
Reserve for unexpected risk	5,00,000	6,00,000
Additional reserve	2,00,000	1,50,000
Interest and Dividend	99,900	85,500
Tax on above	39,900	25,500
Other income	10,000	5,000

1. The Admin expenses of Rs. 2,25,000 and legal expenses of Rs. 21,000 is to be apportioned between the two departments in the proportion of net premium received.
2. Reserve for unexpired risks is to be provided at 50% in case of Fire and 100% of Marine Insurance and Additional Reserve at 10% of the net premium income.

Prepare Revenue Accounts in respect of Fire and Marine Department of India Insurance company.