

H. L. COLLEGE OF COMMERCE
T.Y.B.Com. Semester V
Cost and Financial Accounting Assignment 2017-18

Q.1 A product passes through three processes before it is transferred to finished stock.

The following information is available regarding the processes. Prepare process accounts, by-products account and abnormal wastage/gain account. Show the cost per unit at the end of each process.

Particulars	Process A	Process B	Process C
Material introduced (Rs.) (at Rs.10 per unit)	1,00,000	-	-
Direct wages (Rs. per unit introduced)	2.50	5.00	8.00
Production overheads (as a % of direct wages)	40	60	50
Normal wastage (as a % of units introduced)	10	10	10
Selling price of wastage (Rs. per unit)	-	5	10
By-products (units)	4,000	-	-
Profit on sale of by-products	25% on sales	-	-
Actual output	?	60% of units introduced	2,850 units

Q.2 The following data are available in respect of a process for August 2013.

Prepare Process Account and other necessary accounts. Also prepare Statement of Equivalent Production, Statement of Cost and Statement of Evaluation.

Opening stock of Work-in-Process	1,500 units Rs.30,000
Degree of completion:	
Material 100% Labour 33 $\frac{1}{3}$ % Overheads 33 $\frac{1}{3}$ %	
Material introduced in the process	18,500 units Rs.1,04,000
Direct labour	Rs.28,000
Overheads	Rs.56,000
Normal loss	10%
Sales price of scrap	Rs.4 per unit
Transfer to next process	15,000 units
Closing stock of Work-in-Process	5,000 units
Degree of completion:	
Material 90% Labour 30% Overheads 30%	

Q.3 A company has given the following information for 2013-14.

Units produced and sold	15,000
Total sales value	Rs.1,50,000
Variable cost	Rs.6 per unit
Fixed cost	Rs.36,000

Calculate the following:

1. Contribution per unit and P/V ratio
2. Break Even Point in units and in value
3. Margin of Safety in %

4. Sales (in Rs.) required to make a profit of Rs.64,000
5. BEP (in units) if the selling price is decreased by 10%

Q.4 Write short notes on

1. Assumptions of marginal costing
2. Discretionary costs
3. Notional costs

Q.5 A Ltd. and B Ltd. were amalgamated on 1-4-2013. A new company ABC Ltd. was formed to take over the business of both the companies. The Balance Sheets of A Ltd. and B Ltd. as on 31-3-2013 were as follows.

Liabilities	A Ltd.	B Ltd.	Assets	A Ltd.	B Ltd.
Equity shares of Rs.10 each	17,00,000	14,50,000	Building	9,20,000	5,50,000
12% Preference shares of Rs.10 each	6,40,000	3,50,000	Machinery	6,50,000	4,20,000
General Reserve	7,30,000	4,80,000	Investments	1,50,000	1,00,000
Investment Allowance Reserve	1,00,000	60,000	Stock	6,50,000	5,40,000
P & L A/c	1,50,000	1,04,000	Debtors	6,60,000	5,40,000
12% Debentures	1,00,000	56,000	Bank balance	7,70,000	5,00,000
Creditors	3,80,000	1,50,000			
	38,00,000	26,50,000		38,00,000	26,50,000

Additional information:

1. ABC Ltd. will issue 2 equity shares for 5 equity shares of A Ltd. and 3 equity shares for 10 equity shares of B Ltd. The equity shares having a face value of Rs.10 per share will be issued at Rs.35 per share.
2. Preference shareholders of both the companies will get the same number of 14% preference shares of ABC Ltd. of face value Rs.10 per share issued at a premium of Rs.3 per share.
3. Debenture holders of both the companies will be issued 15% debentures of ABC Ltd. so as to get the same amount of interest.
4. Investment allowance reserve is to be maintained for 3 more years.

Prepare the Balance Sheet of ABC Ltd. as on 1-4-2013 after the amalgamation has been carried out (a) in the nature of merger and (b) in the nature of purchase.

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ASSIGNMENT OF SEMESTER – V (T Y B COM): 2017-18 **INTERNATIONAL ECONOMICS – V**

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1. Explain Heckscher-Ohlin Factor endowment theory detail.
2. Explain Mill's theory of reciprocal demand and Marshall's theory of offer curves.
3. Explain the arguments in favour of protected trade policy.
4. Explain Purchasing Power Parity theory of exchange rate determination.

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Statistics- V

- 1** State the conditions under which Binomial distribution tends to Poisson distribution. Also state its properties and uses of Poisson distribution.
- 2** Write Probability Function of Hypergeometric distribution. state its Uses and Properties.
- 3** Write short note on:
 - (1) Variation in quality.
 - (2) Theory of runs.
 - (3) C-Chart
- 4** Explain the following terms:
 - (1) AQL (3) Consumer's risk
 - (2) ATI (4) AOQ
- 5** Give the difference between
 - (1) Variable Charts and attributes charts
 - (2) P Chart and np Chart
- 6** What is acceptance sampling? State its advantages also explain single sampling plan in detail.

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Statistics VII

Q1. What is Inventory Control? State its Uses.

Q2. Explain EOQ model without shortages.

Q3. Explain M/M/1:(FCFS) model in Queuing Problem.

Q4. Explain the following terms:

- Queuing Problem
- Inter-arrival Time
- Traffic Density

Q5. What is Sequencing Problem? State its Assumptions.

Q6. Explain processing n jobs through 2 machines in sequencing problem.

Q7. Explain Transportation problem with illustration and also discuss vogels method for solving it.

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Statistics VIII

- Q1. State Assumptions and Applications of T-distribution.
- Q2. Explain the procedure of testing the difference between 2 sample means taken from different population.
- Q3. Explain the uses of Chi-Square in testing independence of two attributes.
- Q4. State all the different formulae used in Chi-Square test.
- Q5. Derive 1 way classification in analysis of Variance.
- Q6. State Assumptions and Applications of F-Test.
- Q7. What is Non-Parametric Test? Give difference between Parametric & Non-Parametric Test.
- Q8. Explain the following Terms:
- Run Test
 - Mann-Whitney Test

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ASSIGNMENT OF SEMESTER – V (T Y B COM): 2017-18 BUSINESS LAW

1. "All agreements are not contracts but all contracts are agreements" with this statement explain essential factors of valid contract.
2. Explain: (a) Void agreement (b) Voidable agreement
3. Short Note on Acceptance.
4. Discuss the Nature of Excise Duty. On which goods excise duty is levied?
5. Discuss various types of Customs Duty.