## LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 600034

M.Com. DEGREE EXAMINATION - COMMERCE

FIRST SEMESTER - APRIL 2023
PCO1MC04 - ACCOUNTING FOR DECISION MAKING

Date: 04-05-2023
Time: 09:00 AM - 12:00 NOON

| SECTION A |  |  |  |
| :---: | :---: | :---: | :---: |
| Answer ALL the questions |  |  |  |
| 1 | Answer the following Questions / True or False/ Fill in the blanks/ MCQ (5x 1)=5) |  |  |
| a) | ABC is better than the traditional Costing method while charging the overhead expenses to the cost of a product. | K1 | CO1 |
| b) | Fixed Costs remain constant in the long run. T/F | K1 | CO1 |
| c) | Direct Material___ Variance is used when more than one material is used | K1 | CO1 |
| d) | The transfer pricing provisions are intended to ensure that A) Profits are not understated B) Expenses are not understated C) Both A and C D) Losses are not overstated | K1 | CO1 |
| e) | The statement of cash flow clarifies cash flows according to A) Operating and Non-operating Flows. B) Inflow and Outflow. C) Investing and Non-operating Flows. D) Operating, Investing, and Financing Activities | K1 | CO1 |
| 2 | Match the following with the most appropriate answer. | ( $5 \times 1=5$ ) |  |
| a) | Standard Costing - Comparative Statement | K2 | CO1 |
| b) | Capital Budgeting - Variable Cost | K2 | CO1 |
| c) | Marginal Cost - Both fixed and Variable Cost | K2 | CO1 |
| d) | Relevant Cost - Predetermined Cost. | K2 | CO1 |
| e) | Ratio Analysis - Long-Term Investment | K2 | CO1 |

## SECTION B

## Answer any THREE of the following ( $\mathbf{3} \times 10=30$ )

|  | Answer any THREE of the following |  |  |
| :---: | :---: | :---: | :---: |
| 3 | a) Explain the significance of Capital Budgeting <br> b) Discuss Capital Budgeting Process. | K3 | CO2 |
| 4 | A company is organized in two divisions namely A and B division A produces three products $\mathrm{K}, \mathrm{L}$, and M . Their data per unit are as follows. <br> Division B had a demand for 600 units of product L. for its use. If division A can't supply product from market at Rs. 112per unit what should be the transfer price of 600 units of $L$ for division $B$, if the total direct labour hours available in division $A$ are restricted to 15,000 ? | K3 | CO 2 |
|  |  |  |  |



|  | Loss on sale of assets <br> To Net profit <br>  <br> Liabilities Balan <br> Issued capital: <br> 2,000 Equity shares of <br> Rs.100 each <br> Reserves <br> 10\% Debenture <br> Current Liabilities <br> Profit and Loss a/c. <br> Calculate (1) Gro <br> ratio (4) Net profit r <br> on total resources (8) <br> 10) Current Ratio 11) | 5,000 <br> $1,50,00$ <br> $2,20,00$ <br> Sheet <br> Amount <br> 2,00,000 <br> 90,000 <br> 1,00,000 <br> 1,50,000 <br> 60,000 <br> 5,00,000 <br> s profit r <br> tio (5) E <br> Turnover <br> ) Liquid | $3^{\text {st }}$ <br> io (2) <br> penses of fixed tio | March 2000 <br> Assets <br> Land and Buil <br> Plant and Ma <br> Stock <br> Debtors <br> Cash and Ban <br> Prepaid expen <br> Operating ratio ratio (6) Stock assets (9) Tu | ding (3) O turnovery nover | 20,000 <br> $2,20,000$ <br> Amount <br> $2,00,000$ <br> $1,25,000$ <br> $1,00,000$ <br> $1,40,000$ <br> 30,000 <br> 5,000 <br> $5,00,0000$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10 | A company has a machine estimated life is 10 years w The management is consid The relevant particulars ar <br> Tax rate is $40 \%$ and COC machine be replaced? | that has h no salv ring a pro as follow <br> Hours Unit |  | operation for e. Its current $m$ replace its ma <br> ing Machine <br> 00 <br> ars <br> its <br> 0 <br> le of asset is tax | years <br> arket v <br> New <br> $4,00,0$ <br> 10 Ye <br> 2,000 <br> 10 <br> 30 Un <br> Rs 2 <br> 40 <br> 11,000 <br> 40,000 | and the remaining lue is Rs $1,00,000$. th a new machine. <br> tible. Should the | K4 | CO3 |
| 11 | From the following data, c <br> Efficiency variance 4. Mix <br>  <br>  <br>  <br>  <br>  <br> HourSkilled labourSemi - skilledUn - skilledThe actual production | lculate 1, variance tandard $\qquad$ <br> as 1000 a | Labour <br> Labou <br> icles. | cost variance Ac Hours 9,000 8,400 20,000 | . Rate cy var ual <br> Rat <br> 4.0 <br> 1. | variance 3. ance. | K4 | CO3 |

## SECTION D

## Answer any ONE of the following

( $1 \times 15=15$ )
The following information provides details of costs volume and cost drivers for a particular period in respect of XYZ Ltd for Products X, Y and Z.

| Particulars | Product <br> $\mathbf{X}$ | Product <br> Y | Product <br> $\mathbf{Z}$ | Total |
| :--- | :--- | :--- | :--- | :--- |
| Production and sales (units) | 30,000 | 20,000 | 8,000 |  |
| Raw material usage (units) | 5 | 5 | 11 |  |
| Direct material cost (Rs.) | 25 | 20 | 11 | $12,38,000$ |
| Direct labour hours | $1-1 / 3$ | 2 | 1 | 88,000 |
| Machine hours | $1-1 / 3$ | 1 | 2 | 76,000 |
| Direct labour cost | 8 | 12 | 6 |  |
| Number of production run | 3 | 7 | 20 | 30 |
| Number of deliveries | 9 | 3 | 20 | 32 |
| Number of receipts | 15 | 35 | 220 | 270 |
| Number of production orders | 15 | 10 | 25 | 50 |
| OVERHEAD COSTS |  |  |  | Rs. |
| Set ups |  |  |  | 30,000 |
| Machine |  |  |  | $7,60,000$ |
| Receiving |  |  |  | $4,35,000$ |
| Packing |  |  |  | $2,50,000$ |
| Engineering |  |  | $3,73,000$ |  |
| Total of overhead costs |  |  | $18,48,000$ |  |

In the past, the company has allocated overheads to products on the basis of direct labour hours. However, the majority of overheads are related to machine hours rather than direct labour hours. The company has recently redesigned its costs system by recovering overheads using two volumes related based (a) Machine hours and (b) materials handling overhead rate of recovering overheads of the receiving departments. Both the current and the previous cost systems reported low-profit margins for product X , which is the company's highest-selling product. The management accountant has recently attended a conference on 'Activity Based Costing', and the overhead costs for the last period have been analysed by the major activities in order to compute activitybased costing.
From the above information, you are required to
A) Old product costing system: Compute the costs of the product using a traditional volume-related costing system based on the assumption that all overheads are recovered on the basis of direct labour hours.
B) New product costing system: The overheads of the receiving department are recovered by materials handling overhead rate and the remaining overheads are recovered using a machine hour rate.
C) ABC method.



