## Maulana Azad National Urdu University

Master of Commerce : I Semester Examination, February 2022
Paper : MMCM102CCT : Managerial Accounting (MA)

Time : $\mathbf{3} \mathbf{h r s}$


Marks : 70
 $-6$
 ( $8 \times 5$ = 40 Marks)
 (10x3 = 30 Marks)
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 . 2


Flexible Budget . 5
 Product Sales per Month VC Ratio \& Sales

A 2,00,000 50\%
B $\quad 1,50,000 \quad 50 \%$
C $\quad 1,00,000 \quad 75 \%$
D $\quad 2,50,000 \quad 40 \%$



BES
(i)

Total Sales
(ii)

Total Variable Cost
(iii)

Profit

| Standard |  |  | Actual |  |
| :---: | :---: | :---: | :---: | :---: |
| Material | Quantity | Price | Quantity | Price |
| A | 80 | 20 | 90 | 18 |
| B | 120 | 30 | 110 | 34 |

Standard Loss 5\% of Input i.e. A and B

 Production (in Units)

Product $\mathrm{A}=20,000$
Product $\mathrm{B}=30,000$
Product $\mathrm{C}=40,000$
Quantity of Raw Materials use in each unit produced

| Product | Raw Material $(\mathrm{Kg})$ |  |  |
| :---: | :---: | :---: | :---: |
|  | $\mathrm{M}_{1}$ | $\mathrm{M}_{2}$ | $\mathrm{M}_{3}$ |
| A | 3 | 2 | 1 |
| B | 4 | 2 | 3 |
| C | 3 | 3 | 3 |
| Price Per Kg | 5 | 4 | 3 |


| حصووم |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Liabilities | 2019 | 2020 | Assest | 2019 | 2020 |
| Equity Share Capital | 3,00,000 | 4,00,000 | Goodwill | 1,15,000 | 90,000 |
| 10\& Pref Share Capital | 1,50,000 | 1,00,000 | Building | 2,00,000 | 1,70,000 |
| General Resume | 40,000 | 70,000 | Plant | 80,000 | 2,00,000 |
| Profit and Loss A/c | 30,000 | 48,000 | Debtors | 1,70,000 | 2,00,000 |
| Prepared Dividend | 42,000 | 50,000 | Stock | 77,000 | 1,09,000 |
| Creditors | 55,000 | 83,000 | B/R | 20,000 | 30,000 |
| Bills Payable | 20,000 | 16,000 | Cash in Hand | 15,000 | 18,000 |
| Provision for Tax | 40,000 | 50,000 |  |  |  |
|  | 6,77,000 | 8,17,000 |  | 6,77,000 | 8,17,000 |

Additional Information:
i) Depreciation on Plant Rs. 10,000
(ii) Gain on Sale of building Rs. 20,000

| Particulars | November | December | January | February | March |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Sales | $2,00,000$ | $2,50,000$ | $3,00,000$ | $3,00,000$ | $4,00,000$ |
| Purchase | 50,000 | 80,000 | $1,10,000$ | $1,20,000$ | $1,30,000$ |
| Wages | 20,000 | 15,000 | 15,000 | 30,000 | 35,000 |
| Office Expenses | 10,000 | 8,000 | 12,000 | 15,000 | 12,000 |
| Selling Expenses | 2,000 | 6,000 | 6,000 | 8,000 | 10,000 |

Information:
i) $80 \%$ of sales are on credit basis. Time given to debtors is 2 months
ii) Credit period allowed by creditors are 1 month.
iii) Wages are paid after 1 month.
iv) All other expenses are paid after 1 month.

i) Marginal cost of product $X$ and $Y$
ii) Contribution per unit
iii) Profit from each of suggested sales mixture and recommend which sales mix should be adopted.

| Particulars | X per units Cost | Y per unit cost |
| :--- | :---: | :---: |
| Direct Material | 10 | 8.50 |
| Direct Wages | 3 | 2 |
| OH Variable | $100 \%$ of Direct Wages | $100 \%$ of Direct Wages |
| Selling Price | 20.50 | 14.50 |
| Fixed Expenses Total | 800 |  |
|  |  |  |

## Suggested Salex Mix

a) $\quad 100$ units of $X$ and 200 units of $Y$
c) $\quad 200$ units of $X$ and 100 units of $Y$
i) Labour Cost Variance
iii) Labour Efficency Variance

Information:

| Stand labour hour for a month | $=$ | 4,000 hours |
| :--- | :--- | :--- |
| Standard wage rate | $=$ | Rs. 2.25 per hour |
| No of labour employed | $=$ | 30 |
| Average working days in month | $=$ | 25 |
| No. of hours per day | $=$ | 7 hours |
| Total wage paid in a month | $=$ | 13,125 |
| Idle time due to power failure | $=$ | 100 hours |


b) $\quad 150$ units of X and 150 units of Y

ii) Labour Rate Variance
iv) Labour Idle Variance

$$
\begin{array}{ll}
= & 4,000 \text { hours } \\
= & \text { Rs. } 2.25 \text { per hour } \\
= & 30 \\
= & 25 \\
= & 7 \text { hours } \\
= & 13,125 \\
= & 100 \text { hours }
\end{array}
$$



Contribution (ii) Historical Cost (i)

