## Part I : Case Scenario Based MCQs (30 Marks)

Ans. to Q. 1
(i) Option (b)
(ii) Option (a) (iii) Option (b)
(iv) Option (c)
(v) Option (a)

Contribution p.u. = Selling Price p.u. - Variable Cost p.u.

$$
\text { = ₹ } 300 \text { - ₹ } 180 \text { = ₹ } 120
$$

$\mathrm{P} / \mathrm{v}$ Ratio $=\frac{\text { Contribution }}{\text { Sale }} \times 100=\frac{120}{300} \times 100=40 \%$
(i) BEP (in value) $=\frac{\text { Fixed Cost }}{P / v \text { Ratio }}=\frac{₹ 16,80,000}{40 \%}=₹ 42,00,000$

$$
\text { BEP }(\text { in Units })=\frac{\text { Fixed Cost }}{\text { Contribution p.u. }} \frac{₹ 16,80,000}{₹ 20 \text { p.u. }}=14,000 \text { Units }
$$

(ii) Margin of safety (in value) $=\frac{\text { Profit }}{P / v \text { Ratio }}=\frac{₹ 7,20,000}{40 \%}=₹ 18,00,000$
(iii) Profit when 24,000 units are sold = Contribution - Fixed Cost

$$
\begin{aligned}
& =(24,000 \text { Units) (₹120 p.u.) - ₹16,80,000 } \\
& =₹ 12,00,000 .
\end{aligned}
$$

(iv) Desired sales for profit of ₹10,00,000.

$$
=\frac{\text { Fixed Cost }+ \text { DesiredProfit }}{\text { P/v Ratio }}=\frac{16,80,000+10,00,000}{40 \%}=₹ 67,00,000
$$

Ans. to Q. 2

| (i) Option (d) | (ii) Option (b) | (iii) Option (b) | (iv) Option (d) | (v)Option (a) |
| :--- | :--- | :--- | :--- | :--- |


| Particulars |  | Amount (₹) |
| :---: | :---: | :---: |
| Direct Materials:- |  |  |
| Opening Stock of Raw Material |  | 10,000 |
| (+) Purchase of Raw Material |  | 80,000 |
| (+) Carriage inwards |  | 3,000 |
| (+) Transit Insurance |  | 2,000 |
| (-) Closing Stock of Raw Material |  | $(12,000)$ |
| (-) Sale Value of Scrap of Raw Material |  | $(2,000)$ |
| Raw Material Consumed |  | 81,000 |
| (+) Direct Labour Cost |  | 70,000 |
| (+) Direct Expenses |  | 8,000 |
| Prime Cost/Direct Cost |  | 1,59,000 |
| (+) Factory (Works) Overheads:- |  |  |
| 1) Indirect Labour | 30,000 |  |
| 2) Electricity Bill of Factory | 18,000 |  |
| 3) Indirect Factory Materials | 45,000 |  |
| 4) Factory Insurance | 7,000 |  |
| 5) Deprecation on Machinery | 24,000 |  |
| 6) Rent of Factory | 22,000 | 1,46,000 |
| Gross Factory (Works) Cost |  | 3,05,000 |
| (+) Opening stock of WIP |  | 15,000 |
| (-) Closing stock of WIP |  | $(20,000)$ |

Cost and Management Accounting

| Particulars |  | Amount(₹) |
| :---: | :---: | :---: |
| Factory (Works) Cost |  | 3,00,000 |
| (+) 1) Quality Control Cost |  | 5,000 |
| 2) Prime Packing Cost |  | Nil |
| 3) Research and Development Cost |  | 2,000 |
| 4) Production-related Administration Overheads |  | 15,000 |
| (-) Sales Value of factory scrap |  | $(3,000)$ |
| Cost of Production of Quantity Produced (Cost of Production) |  | 3,19,000 |
| (+) Opening stock of Finished Goods |  | 40,000 |
| Cost of Production of Goods Available |  | 3,59,000 |
| (-) Closing stock of finished goods |  | $(35,000)$ |
| Cost of Production of Quantity sold (COGS) |  | 3,24,000 |
| (+) 1. Office \& Administration Overheads (General) |  |  |
| Printing \& Stationery | 5,000 |  |
| Managing Director remuneration | 21,000 |  |
| Office Rent | 14,000 |  |
| Electricity Bill of Office | 8,000 | 48,000 |
| 2. Selling and Distribution Overheads |  |  |
| Electricity Bill of show-room | 6,000 |  |
| Rent of show-room | 9,000 |  |
| Sales Commission[5\% of 6,50,000] | 32,500 | 47,500 |
| Cost of Sales |  | 4,19,500 |
| Profit (Balance) |  | 2,30,500 |
| Sales (excluding GST) |  | 6,50,000 |
| + GST |  | 50,000 |
| Final Sales Value (Including GST |  | 7,00,000 |

Ans. to Q. 3

| Option (b) |
| :---: |
| Ans. to Q.4 |
| Option (b) |
| Ans. to Q.5 |
| Option (a) |

Ans. to Q. 6
Annual usage $(U)=16,000$ units, Cost per order $(P)=₹ 120$
Carrying cost per unit p.a. (S) $=₹ 60 \times 10 / 100=₹ 6$
$E O Q=\sqrt{\frac{2 U P}{S}}=\sqrt{\frac{2 \times 16,000 \times 120}{6}}=800$ units. Hence, correct answer is option (3), i.e., 800 units.
Ans. to Q. 7
Option (a)
Ans. to Q. 8 (A) Trading and Profit and Loss Account for the year ended on March 31, 2018

| Particulars | Amount (₹) | Particulars | Amount (₹) |
| :---: | :---: | :---: | :---: |
| To Direct materials | 3,55,000 | By Sales (1,80,000 units) | 16,20,000 |
| To Direct wages | 3,60,000 | By Closing stock of finished goods | 1,50,000 |
| To Manufacturing expenses | 2,45,000 | (3,000 units) |  |
| To Office and administration expenses | 2,40,000 | By Interest received | 25,000 |
| To Selling and distribution overheads | 2,00,000 |  |  |
| To Donation and charity | 20,000 |  |  |
| To Interest on debentures | 48,000 |  |  |
| To Preliminary expenses written off | 20,000 |  |  |
| To Provision for tax | 75,000 |  |  |
| To Net profit | 2,32,000 |  |  |
|  | 17,95,000 |  | 17,95,000 |

Solutions
CA R.K.Mehta
Cost Sheet

| Particulars | Amount (₹) |
| :--- | ---: |
| Direct materials | $3,55,000$ |
| Direct wages | $3,60,000$ |
| Prime cost | $7,15,000$ |
| Add: Manufacturing overheads (80\% of direct wages) | $2,88,000$ |
| Factory cost | $10,03,000$ |
| Add: Production related administration overheads (25\% of factory cost) | $2,50,750$ |
| Cost of production (2,10,000 units) | $12,53,750$ |
| Less: Closing stock of finished goods (₹ 12,53,750/2,10,000 units $\times 30,000$ units) | $(1,79,107)$ |
| Cost of goods sold (1,80,000 units) | $10,74,643$ |
| Add: Selling overheads (₹ 1 per unit) | $1,80,000$ |
| Cost of sales | $12,54,643$ |
| Profit (Bal. figure) | $3,65,357$ |
| Sales (1,80,000 units) | $\mathbf{1 6 , 2 0 , 0 0 0}$ |


| Reconciliation Statement |  |  |
| :---: | :---: | :---: |
| Particulars | + | - |
| Profit as per cost books | 3,65,357 |  |
| Manufacturing overheads over-recovered in cost books (2,88,000-2,45,000) | 43,000 |  |
| Office and administration overheads over-recovered in cost books | 10,750 |  |
| Closing stock over-valued in cost books |  | 29,107 |
| Selling overheads under-recovered in cost books |  | 20,000 |
| Interest received recorded in financial books | 25,000 |  |
| Donation and charity, Interest on debentures, Preliminary expenses written off and Provision for tax recorded in financial books |  | 1,63,000 |
|  | 4,44,107 | 2,12,107 |

Profit as per financial books $=4,44,107-2,12,107=₹ \mathbf{2 , 3 2 , 0 0 0}$
Ans. to Q. 8 (B)
Assume, Present cost $=₹ x$ and Present profit $=₹ y$
Hence, $x+y=₹ 3,000-($ Equation 1)

| Type of cost | Present cost | Future cost |
| :--- | :---: | :---: |
| Material | $0.5 x$ | $0.5 x$ plus $20 \%=0.6 x$ |
| Labour | $0.3 x$ | $0.3 x$ plus $10 \%=0.33 x$ |
| Overheads | $0.2 x$ | $0.2 x$ plus $10 \%=0.22 x$ |
| Total | $₹ x$ | $1.15 x$ |

We are given that the increased cost in future, in relation to existing selling price, will decrease the profit by $30 \%$.
Therefore, following equation can be formed:-
$1.15 x+0.7 y=₹ 3,000 \Rightarrow 1.15 x+0.7(3,000-x)=3,000$ [from equation (1)]
Solving, we get $x=2,000$ and $y=1,000$. Hence, present cost is $₹ 2,000$ and present profit is $₹ 1,000$.
We are observing that profit is $1 / 3$ of sales or $1 / 2$ of cost. If this proportion of profit is also desired in the future, the future selling price is compute below:-

| Future cost $(1.15 x=1.15 \times 2,000)$ | $₹ 2,300$ |
| :--- | :--- |
| Profit $(1 / 3$ of sales $=1 / 2$ of cost $)$ | ₹ 1,150 |
| Future sales | $₹ 3,450$ |

Ans. to Q. 9 (A)

## Stores Ledger Control Account

| To balance b/d | 54,000 | By WIP Ledger Control Account | $2,88,000$ |
| :--- | ---: | :--- | ---: |
| To General Ledger Adjustment A/c | $2,88,000$ | By Production Overheads Control A/c | 36,000 |
| To WIP Ledger Control Account | $1,44,000$ | By Production Overheads Control A/c |  |
|  |  | 10,800 |  |
|  |  | By balance c/d | $\mathbf{4 , 5 1 , 2 0 0}$ |
|  | $\mathbf{4 , 8 6 , 0 0 0}$ |  | $\mathbf{4 , 8 6 , 0 0 0}$ |

The deficiency in the stock is assumed to be normal and transferred to Production Overheads Control Account. Alternatively, the deficiency may be assumed to be abnormal and transferred to Costing Profit \& Loss Account.

WIP Ledger Control Account

| To balance b/d | $\begin{aligned} & 1,08,000 \\ & 2,88,000 \end{aligned}$ | By Stores Ledger Control Account (Material Returned) | 1,44,000 |
| :---: | :---: | :---: | :---: |
| To Stores Ledger Control Account (Direct Material) |  |  |  |
|  | 1,08,000 | By Finished Goods Ledger Control A/c | 7,20,000 |
| To Wages Control Account (Direct Wages) |  | (Bal.fig.) |  |
|  |  | By Balance c/d | 72,000 |
| To Production Overheads Control A/c | 4,32,000 |  |  |
|  | 9,36,000 |  | 9,36,000 |
| Wages Control Account |  |  |  |
| To General Ledger Adjustment A/c (Total Wages) | 1,26,000 | By WIP Ledger Control A/c (Direct Wages) | $\begin{array}{r} 1,08,000 \\ 18,000 \end{array}$ |
|  |  | By Production Overheads Control A/c (Indirect Wages) |  |
|  | 1,26,000 |  | 1,26,000 |
| Production Overheads Control Account |  |  |  |
| To Stores Ledger Control Account | $\begin{aligned} & \hline 36,000 \\ & 10,800 \end{aligned}$ | By WIP Ledger Control Account | 4,32,000 |
| To Stores Ledger Control Account (Normal Stock Deficiency) |  | (Recovered) | 82,800 |
|  |  | By Costing Profit \& Loss Account |  |
| To Wages Control Account (Indirect Wages) | 18,000 | (Under-recovery) |  |
| To General Ledger Adjustment A/c | 4,50,000 |  |  |
|  | 5,14,800 |  | 5,14,800 |

Finished Goods Ledger Control Account

| To WIP Ledger Control Account | 7,20,000 | By Cost of Sales Account | 7,20,000 |
| :---: | :---: | :---: | :---: |
|  | 7,20,000 |  | 7,20,000 |
| Cost of Sales Account |  |  |  |
| To Finished Goods Ledger Control A/c | 7,20,000 | By Costing Profit \& Loss Account | 7,20,000 |
| Costing Profit \& Loss Account |  |  |  |
| To Cost of Sales Account | $\begin{array}{r\|} \hline \hline 7,20,000 \\ 82,800 \end{array}$ | By General Ledger Adjustment A/c (7,20,000plus 15\%) | 8,28,000 |
| To Production Overheads Control A/c (Under-recovery) |  |  |  |
| To General Ledger Adjustment A/c(Profit) | 25,200 |  |  |
|  | 8,28,000 |  | 8,28,000 |

Ans. to Q. 9 (b)

## Benefits of Study of Marginal Costing

1. Marginal costing is very effective in cost control. It is necessary to segregate various expenses in to fixed and variable parts. Such behaviour of cost is also compared with past data. As such, the management is able to control if there is variance as compared to past period or standard cost.
2. It is helpful in taking the decision regarding price fixation. Normally the price is to be fixed above total cost for earning some profit. But, under certain circumstances, price can be fixed at below total cost but above variable cost because fixed cost becomes irrelevant in the decision - making process.
3. It is helpful in deciding the most suitable sales mix for obtaining the maximum profit. If the situation of key factor or limiting factor is prevailing, the product which yields highest contribution per unit of key factor is considered most profitable.
4. In case of "Make or Buy decisions", the decision is to be taken by comparing the supplier's price with the variable manufacturing cost. Here, fixed cost is to be ignored. The study of Marginal Costing is helpful in taking such decisions.
5. If new product has been developed \& management is faced with the problem of deciding whether to employ machine or labour oriented activities, the management should select such method which yields maximum contribution.

Ans. to Q. 10 (a)
Production Budget (in Units)

| Particulars | Product A | Product B |
| :---: | :---: | :---: |
| Budgeted Sales (4×5 = 20 working days) | 2,400 | 3,600 |
| (+) Closing Stock of finished goods | $2,400 \times 4 / 20=480$ | $3,600 \times 5 / 20=900$ |
| (-) Opening Stock of finished goods | (400) | (200) |
| Budgeted Production | 2,480 | 4,300 |
| Raw Material Purchase Budget |  |  |
| Particulars | Material X | Material Y |
| Budgeted Consumption |  |  |
| Product A | $\begin{aligned} & 2,480 \times 5=12,400 \mathrm{kgs} . \\ & 4,300 \times 3=12,900 \mathrm{kgs} . \end{aligned}$ | $\begin{array}{r} 2,480 \times 4=9,920 \mathrm{kgs} . \\ 4,300 \times 6=25,800 \mathrm{kgs} \end{array}$ |
| Product B |  |  |
|  | $25,300 \mathrm{kgs}$. | 35,720 kgs. |
| (+) Closing Stock of Raw Material | $25,300 \times 10 / 20=12,650 \mathrm{kgs} .$ <br> (-) 1,000 kgs. | $35,720 \times 6 / 10=10,716 \mathrm{kgs}$. |
| (-) Opening Stock of Raw Material |  | (-) 500 kgs . |
| Budgeted Purchase | $36,950 \mathrm{kgs}$. | 45,936 kgs. |
| Rate per kg. | ₹ 4 | ₹ 6 |
| Total Purchase cost | ₹ $1,47,800$ | ₹ 2,75,616 |
| Labour Cost Budget |  |  |
|  | Total hours | Rate/hr. Total Wages |
| Normal Time | 28,800 | ₹ 25 ₹ 7,20,000 |
| Over Time | 14,610 | ₹ 37.50 ₹ $5,47,875$ |
|  | 43,410 | ₹ 12,67,875 |

Normal Time $=180$ workers $\times 4$ weeks $\times 40$ hrs. $/$ week $=28,800 \mathrm{hrs}$.
Efficiency Ratio = 80\%

$$
\frac{\text { Standard hrs. for Output Obtained }}{\text { Actual Hours Worked }}
$$

Actual hours worked $=$ Standard hrs. for Output Obtained $\times 100 / 80$

$$
=\left[\begin{array}{l}
A \rightarrow 2,480 \text { Units @ } 3 \text { hrs. p.u. } \\
B \rightarrow 4,300 \text { Units @ } 5 \text { hrs. p.u. }
\end{array}\right] \times \frac{100}{80}=36,175 \mathrm{hrs} .
$$

Actual Hrs. Paid = Actual hrs. Worked + Idle Time $=36,175 \mathrm{hrs} .+20 \%$ of $36,175 \mathrm{hrs} .=43,410 \mathrm{hrs}$
Ans. to Q. 10 (b)
Total Machine Hours=40 hrs/week $\times 4$ weeks= 160 hrs .
Computation of Machine Hour Rate

| Particulars | Total | Per Machine Hr. |
| :---: | :---: | :---: |
| Standing Charges |  |  |
| 1)Rent (₹ $400 \times 25 / 100$ ) | 100 |  |
| 2)Lighting (₹ $160 \times 8 / 32 \times 1 / 2)$ | 20 |  |
| 3)Indirect Labour (₹ $100 \times 1 / 2$ ) | 50 |  |
| 4)Salary to Foreman ( $₹ 200 \times 1 / 2$ ) | 100 |  |
| 5)Salary to Attendant (₹ $100 \times 1 / 2$ ) | 50 | 320/160 |
| Total Standing Charges | 320 | = ₹ 2 |
| Machine Running Expenses |  |  |
| 1) Repairs and Renewals | 40 | 0.25 |
| 2)Power | 160 | 1.00 |
| 3)Depreciation $\left(\frac{11,500-1,500}{20,000 \mathrm{hrs} .} \times 160 \mathrm{hrs}\right.$. $)$ | 80 | 0.50 |
| Machine Hour Rate |  | 3.75 |

## Process I Account

| Particulars | Units | Amount | Particulars | Units | Amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
| To Units Issued (@ ₹ 65 p.u.) | 6,500 | 4,22,500 | By Normal Loss (@ ₹ 4) | 250 | 1,000 |
| To Direct Wages |  | 1,40,000 | By Abnormal Loss (@ ₹ 100 p.u.) | 250 | 25,000 |
| To Direct Expenses (30\% of Direct Wages) |  | 42,000 | By Process II A/c (@ ₹ 100 p.u.) | 6,000 | 6,00,000 |
| To Manufacturing Overheads |  | 21,500 |  |  |  |
|  | 6,500 | 6,26,00 |  | 6,500 | 6,26,000 |

Cost per unit of normal output
$=\frac{4,22,500+1,40,000+42,000+21,500-1,000}{6,500 \text { units }-25 \text { ounits }} ₹ 100$ p.u.
Process II Account

| Particulars | Units | Amount | Particulars |  | Units |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Amount |  |  |  |  |  |
| To Process I A/c | 6,000 | $6,00,000$ | By Normal Loss (@ ₹ 16 p.u.) | 500 | 8,000 |
| To Direct Wages |  | $1,30,000$ |  |  |  |
| To Direct Expenses |  | 45,500 | By Finished Goods Stock A/c | 5,500 | $7,92,000$ |
| (35\% of Direct Wages) |  |  |  |  |  |
| To Manufacturing Overheads |  | 24,500 |  |  |  |
|  | 6,000 | $8,00,000$ |  | 6,000 | $8,00,000$ |

Finished Goods Stock Account

| Particulars | Units | Amount | Particulars | Units | Amount |
| :--- | ---: | ---: | :---: | ---: | ---: |
| To Process II A/c <br> (@ ₹ 144 p.u.) | 5,500 | $7,92,000$ | By Costing P/L A/c (@ ₹ 144 p.u.) | 5,000 | $7,20,000$ |
|  |  |  | By balance c/d ( @ 144 p.u.) | 500 | 72,000 |
|  | 5,500 | $7,92,000$ |  | 5,500 | $7,92,000$ |

Ans. to Q. 11 (B)

| Product | Quantity | joint cost |  |
| :---: | :---: | :---: | :---: |
| $X$ | 100 litres | $₹ 4,000$ |  |
| $Y$ | 70 litres | $₹ 2,800$ |  |
| $Z$ | 80 litres | $₹ 3,200$ |  |
|  | $\mathbf{2 5 0}$ Litres | ₹ 10,000 |  |

(i) Statement showing profit or loss if the joint products are sold after further processing and joint cost is apportioned on physical units:-

| Product | Joint cost | Separate cost | Total cost | Final sales value | Profit (loss) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| X | $₹ 4,000$ | $₹ 2,000$ | $₹ 6,000$ | $₹ 5,000$ | $(1,000)$ |
| Y | $₹ 2,800$ | $₹ 1,200$ | $₹ 4,000$ | $₹ 5,600$ | 1,600 |
| Z | $₹ 3,200$ | $₹ 800$ | $₹ 4,000$ | $₹ 4,800$ | 800 |
|  |  |  |  |  | $\mathbf{1 , 4 0 0}$ |

(ii) If it is decided to sell the product at split-off stage , the amount of profit or loss would have been:-

Profit $=$ Sales at split-off stage - share in joint cost
$X=(100$ litres @ ₹ 25$)-4,000=(-) 1,500$
$Y=(70$ litres $@ ₹ 70)-2,800=2,100$
$Z=(80$ litres @ ₹ 45$)-3,200=100$

$$
1,000
$$

It is advised that only product $Y$ is not to be further processed whereas product $X$ and $Z$ are to be further processed and sold. In such a case, total profit would have been :-


Ans. to Q. 12 (A)
No. of Passengers $=32 \times 70 \%=22.4$
No. of Kms p.a. $=10$ trips $\times 2$ ways $\times 30 \mathrm{kms} \times 25$ days $\times 12$ months $=1,80,000$
So, Total Number of Passenger-Kms p.a. $=22.4 \times 1,80,000=40,32,000$
Statement of Operating Costs and Revenues per annum

| Particulars | Total(₹) | Per Passenger-Kms (₹) |
| :---: | :---: | :---: |
| Standing Charges |  |  |
| Insurance | 15,600 |  |
| Garage Rent (₹ 2,400 per quarter $\times 4$ quarters) | 9,600 |  |
| Road Tax | 5,000 |  |
| Repairs Fixed (₹ 4,800 per quarter $\times 4$ quarters) | 19,200 |  |
| Salary ( $₹ 7,200$ per month $\times 12$ months) | 86,400 |  |
| Tyres\& Tubes (₹ 3,600 per quarter $\times 4$ quarters) | 14,400 |  |
| Depreciation | 68,000 | 2,18,200/40,32,000 |
|  | 2,18,200 | $=0.0541$ |
| Running expenses |  |  |
| Diesel ( $1,80,000 \mathrm{kms} / 5 \mathrm{kms} \times ₹ 13 \mathrm{per}$ litre) | 4,68,000 | 0.1161 |
| Oil andsundries ( $1,80,000 \mathrm{kms} / 100 \mathrm{kms} \times ₹ 22$ per litre) | 39,600 | 0.0098 |
| Total cost | 7,25,800 | 0.18 |
| Profit (25\% of total takings) | 3,42,358 | 0.0849 |
| Passenger tax (22\% of total takings) | 3,01,275 | 0.0747 |
| Total takings | 13,69,433 | 0.34 (approx.) |

## Computation of total takings

Let total takings = ₹ $x$
We know that, Total cost + profit + passenger tax = Total taking
$7,25,800=₹ x-0.25 x-0.22 x$

## On Solving,

We get $x=\frac{7,25,800}{0.53}=₹ 13,69,433$.
Hence, One-Way Fare per Passenger $=30 \mathrm{~km} \times ₹ 0.34=₹ 10.20$
Ans. to Q. 12 (B)
Time Taken $=8$ hours
Time Allowed $\rightarrow 1$ unit=20 minutes

$$
\rightarrow 30 \text { units }=\frac{30 \times 20}{60}=10 \text { hours }
$$

Time saved $=10-8=2$ hours
Time Wages ( 8 hrs. x ₹ 20/hr.) ₹ 160
Bonus $=\left[\frac{\text { Time Taken }}{\text { Time Allowed }} \times\right.$ Time Saved $\times$ Wage Rate $]=\frac{8 \mathrm{hrs} .}{10 \mathrm{hrs} .} \times 2 \mathrm{hrs} . \times ₹ 20 / \mathrm{hr} . \quad ₹ \underline{32}$
Ans. to Q. 13 (A)
$₹ 192$

## Time and Motion Study

1. Meaning of Time Study:-It is a technique which is used to measure the time that may be taken by workman with reasonable skill and ability to perform the requirements of a job. This study is conducted with the help of stopwatch.
2. Purpose of Time Study:-
(a) To ascertain the time normally required to perform a certain job.
(b) To decide the fair days' work of the workman.
3. Meaning of Motion Study:-It is a technique which involves close observation of the movements of body and limbs which are required to perform a specific job.
4. Purpose of Motion Study:-
(a) To ascertain the best way of doing job.
(b) To eliminate the waste motion.

## Job Costing

1. Job is performed to meet specific order requirements, which is different from other jobs.
2. Job is a cost centre where costs are ascertained for each job separately which is to be determined after completion of job.
3. There are usually no transfers from one job to another unless there is some surplus work.
4. There may or may not be work-in-progress at the end of accounting period.
Ans. to Q. 13 (c) Cost Accounting with use of Information Technology
5. With the expansion of e-commerce, the information technology has become an integral part of competitive business accounting.
6. After the introduction of Enterprise Resource Planning (ERP) system, different functional activities get integrated and as a consequence, a single entry into the accounting system provide readymade reports for any \& every purpose and saves a lot of time in the context of preparing different sets of documents.
7. A move towards paperless environment can be seen where documents like Bill of Materials, Material Requisition Note, Goods Received Note, Plant Utilisation Report, etc. are no longer required to be prepared in multiple copies and the related department can get e-copies from the system.
8. Cost and revenue variance reports are generated in real time basis which enables the management to take control measures immediately.
9. Information Technology enables an entity to monitor and analyse each process of manufacturing or service activity closely to eliminate irrelevant and unproductive activities.
