

(ii) Calculation of Total Cost of set-up and inventory holding

	Batch size	No. of setups	Set-up Cost (Rs.)	Inventory holding cost (Rs.)	Total Cost (Rs.)	
A	40,000 units	$\frac{23}{\left(\frac{9,20,000}{40,000}\right)}$	80,500 (23 × Rs. 3,500)	$ \begin{pmatrix} 3,60,000 \\ \frac{40,000 \text{ x Rs. } 18}{2} \end{pmatrix} $	4,40,500	}{1 M
	18,915 units It can be done in fraction		→1,71,500 (49 × Rs. 3,500)	$ \begin{array}{c} $	3,41,735	}{1 M
				Extra Cost (A – B)	98,765	}{1 M

Answer:

(c)

Cost Sheet (for the quarter ending 30 September 2018)

	Amount (Rs.)
(i) Raw materials consumed	
Opening stock of raw materials	2,45,600
Add: Purchase of materials	12,22,650*
Less: Closing stock of raw materials	(2,08,000)
Raw materials consumed	12,60,250
Add: Direct wages (1,47,000×175%)	2,57,250
Direct Expenses	1,80,000
(ii) Prime cost	16,97,500
Add: Factory overheads (2,57,250/175%)	1,47,000
Gross Factory cost	18,44,500
Add: Opening work-in-process	1,70,800
Less: Closing work-in-process	(1,90,000)
(iii) Factory cost	18,25,300
Add: Administration overheads (10% of factory overheads)	14,700
Add: Opening stock of finished goods	3,10,000
Less: Closing stock of finished goods	(2,75,000)
(iv) Cost of goods sold	18,75,000
Add: Selling & distribution overheads	60,000
Cost of sales	19,35,000
(v) Net Profit	2,75,000
Sales	22,10,000

*(18,75,000 + 2,75,000 - 3,10,000 - (1,47,000 × 10%) + 1,90,000 -1,70,800 - (2,57,250 × 100/175%) - 1,80,000 - 2,57,250 + 2,08,000 - 2,45,600) = 12,22,650

Working Notes:

Purchase of raw materials = Raw material consumed + Closing stock - opening stock of raw material Raw material consumed = Prime cost - Direct wages - Direct expenses Factory Overheads = 2,57,250*100/175 Prime cost = Factory cost + Closing WIP - Opening WIP - Factory overheads Factory Cost = Cost of Production goods sold + Closing stock of Finished goods -Opening stock of finished goods - Administrative overheads Net Profit = Sales - Cost of sales Alternative solution

{1/4 Each x 20 point =

5 M}

	Amount (Rs.)
(i) Raw materials consumed	
Opening stock of raw materials	2,45,600
Add: Purchase of materials	12,37,350*
Less: Closing stock of raw materials	(2,08,000)
Raw Material consumed	12,74,950
Add: Direct wages (1,47,000×175%	2,57,250
Direct Expenses	1,80,000
(ii) Prime cost	17,12,,200
Add: Factory overheads (2,57,250/175%)	1,47,000
Gross Factory cost	18,59,200
Add: Opening work-in-process	1,70,800
Less: Closing work-in-process	(1,90,000)
(iii) Factory cost/works cost/cost of production	18,40,000
Add: Opening stock of finished goods	3,10,000
Less: Closing stock of finished goods	(2,75,000)
(iv) Cost of goods sold	18,75,000
Add: Administration overheads (10% of factory overheads)	14,700
Add: Selling & distribution overheads	60,000
Cost of sales	19,49,700
(v) Net Profit	2,60,300
Sales	22,10,000
*(18 75 000 + 2 75 000 - 3 10 000 + 1 90 000 -1 70 800 - 1 47 9	500 - 1 80 000 -

Cost Sheet (for the quarter ending 30 September 2018)

*(18,75,000 + 2,75,000 - 3,10,000 + 1,90,000 - 1,70,800 - 1,47,500 - 1,80,000 - 2,57,250 + 2,08,000 - 2,45,600) = 12,37,350.

Working Notes:

Purchase of raw materials = Raw material consumed + Closing stock - opening stock of raw material

Raw material consumed = Prime cost - Direct wages - Direct expenses Factory Overheads = 257250*100/175

Prime cost = Factory cost + Closing WIP – Opening WIP – Factory overheads Factory Cost = Cost of Production goods sold + Closing stock of Finished goods – Opening stock of finished goods

Net Profit = Sales - Cost of sales

Answer:

(d) (i) Labour cost variance [(SH x Std. Rate) – (AH paid x AE)]

 $\left(\frac{\text{Rs. } 40 \times \text{Rs. } 65}{\text{Rs. } 2,000} \times \text{Rs. } 1,800 \right) \times \text{Rs. } 45 - (\text{Rs. } 50 \times \text{Rs. } 40 \times \text{Rs. } 50)$ $= (\text{Rs. } 1,05,300 - \text{Rs. } 1,00,000) \left\} \{1 \text{ M}\}$ = Rs. 5,300(F) $\text{Labour Rate Variance} = \text{AH paid } (\text{SR-AR}) \\ = \text{Rs. } 2,000 \ (45-50) = \text{Rs. } 10,000 \ (\text{A}) \\ \text{Labour efficiency variance} = \text{SR } (\text{SH-AH worked}) \\ = \text{Rs. } 45 \ (\text{Rs. } 2,340 - \text{Rs. } 1,900) = \text{Rs. } 19,800 \ (\text{F}) \\ \text{Idle time variance} = \text{SR } \times \text{Idle time} = \text{Rs. } 45 \times 100 = \text{Rs. } 4,500 \ (\text{A})$

OR

Rs. 10,000 (A) + Rs. 19,800 (F) + Rs. 4,500 (A) = Rs. 5,300(F) $\{1 M\}$

Answ (a)	er	2:	
(a) (i)	Material Usage Variance	= Std. Price (Std. Quantity – Actual Quantity) = Rs. 45 (9,000 kg. – 8,900 kg.) = Rs. 4,500 (Favourable)
(i	i)	Material Price Variance	= Actual Quantity (Std. Price – Actual Price) = 8,900 kg. (Rs. 45 – Rs. 46) = Rs. 8,900 (Adverse)
(i	ii)	Material Cost Variance	= Std. Material Cost – Actual Material Cost = (SQ × SP) – (AQ × AP) = (9,000 kg. × Rs. 45) – (8,900 kg. × Rs. 46) = Rs. 4,05,000 – Rs. 4,09,400 = Rs.4,400 (Adverse)
(i	v)	Labour Efficiency Variance	= Std. Rate (Std. Hours – Actual Hours) = $50 (\frac{9,000}{10I} \times 8 \text{ hours} - 7,000 \text{ hrs.})$ = Rs. 50 (7,200 hrs. – 7,000 hrs.) = Rs. 10,000 (Favourable)
(\	/)	Labour Rate Variance	= Actual Hours (Std. Rate – Actual Rate) = 7,000 hrs. (Rs. 50 – Rs.52) = Rs. 14,000 (Adverse)
(\	vi)	Labour Cost Variance	= Std. Labour Cost – Actual Labour Cost = (SH × SR) – (AH × AR) = (7,200 hrs. × Rs. 50) – (7,000 hrs. × Rs. 52) = Rs. 3,60,000 – Rs. 3,64,000 = Rs.4,000 (Adverse)
(\	vii)	Variable Cost Variance	= Std. Variable Cost – Actual Variable Cost = (7,200 hrs. × Rs. 10) – Rs. 72,500 = Rs. 500 (Adverse)
(\	viii)	Fixed Overhead Cost Variand	ce = Absorbed Fixed Overhead – Actual Fixed Overhead $= \frac{200}{10 \text{ kgs.}} 9,000 \text{ kgs.} - 1,92,000 \text{ kgs.}$ = Rs. 1,80,000 – Rs. 1,92,000 = Rs. 12,000 (Adverse)

(Each point = 1.25 M)

Answer:

(b) (a) <u>Over</u>head Distribution Statement

	Production Departments Service Department			rtments
	Machine Shops	Packing	General Plant	Stores
Allocated Overheads:	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Indirect labour	8,000	6,000	4,000	11,000
Maintenance Material	3,400	1,600	2,100	2,800
Misc. supplies	1,500	2,900	900	600
Supervisor's salary			16,000	
Cost & payroll salary			80,000	
Total allocated overheads	12,900	10,500	1,03,000	14,400
<i>Add:</i> Apportioned Overheads (As per Schedule below)	1,84,350	70,125	22,775	73,150
	1,97,250	80,625	1,25,775	87,550
	{1 M}	{1 M}	{1 M}	{1 M

Schedule of Apportionment of Overheads							
Item of Cost	Basis	Production Service Departments Departments					
		Machine Shops (Rs.)	Packing (Rs.)	General Plant (Rs.)	Stores (Rs.)		
Power	HP hours (7:1:-:2)	54,600	7,800		15,600		
Rent	Floor space (5:2:1:4)	30,000	12,000	6,000	24,000	}{1/2 M}	

а

b

INTERMEDIATE – MOCK TEST

						-
Fuel & Heat	Radiator sec.	12,000	24,000	8,000	16,000	}{1/2 M}
	(3:6:2:4)	,	•	•		
Insurance	Investment	7,500	2,250	750	1,500	}{1/2 M}
	(10:3:1:2)		-		-	
Taxes	Investment	5,250	1,575	525	1,050	}{1/2 M}
	(10:3:1:2)					
Depreciation	Investment	75,000	22,500	7,500	15,000	}{1/2 M}
	(10:3:1:2)					
		1,84,350	70,125	22,775	73,150	

(b) Re-distribution of Overheads of Service Departments to Production Departments:

Let, the total overheads of General Plant = `a' and the total overheads of Stores = `b'

a = 1,25,775 + 0.3b....(i)

b = 87,550 + 0.2a....(ii)

Putting the value of 'b' in equation no. (i)

= 1,25,775 + 0.3 (87,550 + 0.2a)

Or a = 1,25,775 + 26,265 + 0.06a

Or 0.94a = 1,52,040 Or a = 1,61,745 (appx.) $\{1 M\}$ Putting the value of a = 1,61,745 in equation no. (ii) to get the value of 'b'

= 87,550 + 0.2 × 1,61,745 = 1,19,899 **{1** M}

Secondary Distribution Summary

Particulars	Total (Rs.)	Machine Shops (Rs.)	Packing (Rs.)
Allocated and Apportioned overheads as per Primary distribution		1,97,250.00	80,625.00
- General Plant	1,61,745	80,872.50	48,523.50
		$(1,61,745 \ \mathrm{x} \frac{5}{10})$	$(1,61,745 \ \mathrm{x}\frac{3}{10})$
- Stores	1,19,899	59,949.50 (1,19,899 × 50%)	23,979.80 (1,19,899 × 20%)
		3,38,072.00	1,53,128.30
		{1/2 M}	{1/2 M}

Answer 3:

(a) (i)

Calculation of Raw Material inputs during the month:

-	Quantities Entering	Litres	Quantities Leaving	Litres
	Process		Process	
	Opening WIP	800	Transfer to Finished Goods	4,200
	Raw material input	5,360	Process Losses	1,800
{2 M}{	(balancing figure)			
			Closing WIP	160
		6,160		6,160

(ii) Calculation of Normal Loss and Abnormal Loss/Gain

	Litres	
Total process losses for month	1,800	
Normal Loss (10% input)	536	
Abnormal Loss (balancing figure)	1,264	}{1 M}

(i) Calculation of values of Raw Material, Labour and Overheads added to the process:

	Material	Labour	Overheads
Cost per equivalent unit	Rs. 23.00	Rs. 7.00	Rs. 9.00
Equivalent units (litre) (refer the working note)	4,824	4,952	5,016
Cost of equivalent units	Rs. 1,10,952	Rs. 34,664	Rs. 45,144

MITTAL COMMERCE CLASSES

INTERMEDIATE – MOCK TEST

Add: Scrap value of normal loss	Rs. 8,040			
(536 units × Rs. 15)				
Total value added	Rs. 1,18,992	Rs. 34,664	Rs. 45,144	}{2 ^{1/2} M}

Workings:

Statement of Equivalent Units (litre):

				Equivalent Production)	
Input Details	Units	Output details	Units	Mate	Material Labou		our	Overhe	ead s	
				Units	(%)	Units	(%)	Units	(%)	
Opening WIP	800	Units completed:								
Units introduced	5,360	- Opening WIP	800			240	30	320	40	2 ^{1/2}
		- Fresh inputs	3,400	3,400	100	3,400	100	3,400	100	{2
		Normal loss	536							
		Abnormal loss	1,264	1,264	100	1,264	100	1,264	100	
		Closing WIP	160	160	100	48	30	32	20	
	6,160		6,160	4,824		4,952		5,016)

(iv) Process Account for Month

	Litres	Amount (Rs.)		Litres	Amount (Rs.)	
To Opening WIP	800	26,640	By Finished goods	4,200	1,63,800	
To Raw Materials	5,360	1,18,992	By Normal loss	536	8,040	}{2 №
To Wages		34,664	By Abnormal loss	1,264	49,296	
To Overheads		45,144	By Closing WIP	160	4,304	
	6,160	2,25,440		6,160	2,25,440	J

Answer:

(b) (i) **Annual Cost Statement of three vehicles**

	(Rs.)	
Diesel { $(1,34,784 \text{ km}. \div 4 \text{ km}) \times \text{Rs. 65}$ } (Refer to Working	21,90,240	
Note 1)		
Oil & sundries {(1,34,784 km. ÷ 100 km.) × Rs. 250}	3,36,960	
Maintenance {(1,34,784 km. × Rs. 0.25) + Rs. 6,000} (Refer	39,696	
to Working Note 2)		
Drivers' salary {(Rs.24,000 × 12 months) × 3 trucks}	8,64,000	
Licence and taxes (Rs. 25,000 × 3 trucks)	75,000	
Insurance	45,000	
Depreciation {(Rs. 29,00,000 \div 10 years) \times 3 trucks}	8,70,000	
General overhead	1,15,600	
Total annual cost	45,36,496	}{3 M}

(ii) Cost per km. run

Total annual cost of vehicles Total kilometre travelled annually (Refer to working Note1) Cost per kilometer run=-

$$=\frac{\text{Rs.}45,36,496}{1,34,784 \text{ Kms}}=\text{Rs.}33.66 \quad \text{{2 M}}$$

Freight rate per tonne km (to yield a profit of 10% on freight (iii)

Cost per tonne km = $\frac{\text{Total annual cost of three vehicles}}{-}$ -(Refer to working Note1) Total effective tonnes kms. per annum

$$=\frac{\text{Rs.}45,36,496}{6,06,528 \text{ Kms}} = \text{Rs.}7.48$$

Freight rate per tonne km. $\left(\frac{\text{Rs.7.48}}{0.9}\right) \times 1 = \text{Rs.8.31}$ **{2 M}**

Working Notes:

1. Total kilometer travelled and Commercial tonnes kilometer (load carried) by three trucks in one year

Truck	One way distance in kms	No. of trips	Total distance covered in km per day (with load)	Total distance covered in km per day (up & down)		Total effective tonnes km
	а	b	c = a × b	d = c × 2	e	f = 27/3 ×c
1	16	4	64	128	6	576
2	40	2	80	160	9	720
3	30	3	90	180	12	810
Total			234	468	27	2,106

Total kilometre travelled by three trucks in one year (468 km. × 24 days ×12 months) =1,34,784 **}1 M} Total effective tones** kilometre of load carried by three trucks during one year

 $(2,106 \text{ tonnes km.} \times 24 \text{ days} \times 12 \text{ months}) = 6,06,528 \text{ tonne-km}$

2. Fixed and variable component of maintenance cost:

Variable maintenance cost per km.	Difference in maintenance cost
variable maintenance cost per kin.	Difference in distance travelled
	$=\frac{\text{Rs. }46,050 - \text{Rs.}45,175}{1,60,200 \text{ kms} - 1,56,700 \text{ kms}} = \text{Rs.}0.25 1\text{ M}$
	1,60,200 kms - 1,36,700 kms

Fixed maintenance cost =Total maintenance cost-Variable maintenance cost = Rs. 46,050 - 1,60,200 kms × Rs. 0.25= Rs. 6,000 **\{1 m\}**

Answer 4:

(a) 1.

(a) Sales value at split- off point method

Products	Sales (in Ton)	Selling Price per Ton	Sales Revenue	Joint Cost Apportioned	
		(Rs.)	(Rs.)	(Rs.)	164 /2 841
Caustic Soda	1,200	50	60,000	50,000	<u>}</u> {1/2 V }
Chlorine	800	75	60,000	50,000	}{1/2 M}
			1,20,000	1,00,000	

Apportionment of joint cost $\frac{\text{Total joint cost}}{\text{Total sale value}} = x \text{ Sale revenue of each}$

product

Joint cost apportioned to Caustic Soda

 $= \frac{\text{Rs. } 1,00,000}{\text{Rs. } 1,20,000} \times \text{Rs. } 60,000 = \text{Rs. } 50,000 \ \text{\{1/2 M\}}$

Joint cost apportioned to Chlorine = $\frac{\text{Rs. 1,00,000}}{\text{Rs. 1,20,000}} \times \text{Rs. 60,000} = \text{Rs. 50,000}$ {1/2 M}

(b) **Physical measure method**

Products	Sales (in Ton)	Joint Cost Apportioned (Rs.)	
Caustic Soda	1,200	60,000	}{1/2 M}
Chlorine	800	40,000	}{1/2 M}
		1,00,000	

Appointed joint cost = $\frac{\text{Total joint cost}}{\text{Total physical value}} \times \text{Physical units of each product}$

Joint cost apportioned to Caustic Soda

$$= \frac{\text{Rs. } 1,00,000}{\text{Rs. } 1,20,000} \times 1,200 \text{ ton} = \text{Rs. } 60,000 \text{ } \text{1 M}\text{}$$

Joint cost apportioned to chlorine

$$= \frac{\text{Rs. } 1,00,000}{2,000 \text{ ton}} \times 800 \text{ ton} = \text{Rs. } 40,000 \text{ } \{1 \text{ M}\}\$$

(c) **Estimated net realizable value method:**

	Caustic Soda	Chlorine
	Amount (Rs.)	Amount (Rs.)
Sales Value	60,000	1,00,000
	(Rs. 50 × 1,200	(Rs. 200 × 500 tons)
	tons)	
Less: Post split-off cost	-	(20,000)
(Further		
processing cost)		
Net Realisable Value	60,000	80,000
Apportionment of Joint Cost of	{1/2 M}{ 42,857	{1/2 M}{ 57,143
Rs. 1,00,000 in ratio of 3:4		

2. Incremental revenue from further processing of Chlorine into PVC

(500 tons × Rs. 200 - 800 tons × Rs. 75)	Rs. 40,000	}{1 M}
Less : Incremental cost of further processing of Chlorine into PVC	Rs. 20,000	}{1 M}
Incremental operating income from further processing	Rs. 20,000	}{1 M}

The operating income of Inorganic Chemicals will be reduced by Rs. 20,000 in August if it sells 800 tons of Chlorine to Lifetime Swimming Pool Products, instead of further processing of Chlorine into PVC for sale. $\{1 M\}$

Answer :

(b)

Contract Account								
	Particulars	(Rs.)	Particulars (Rs.)					
То	Material issued	9,48,000	By Machine (Working note 1)** 7,45,270					
"	Direct Wages (4,57,200 - 1,08,000)	3,49,200						
″	Administrative charges	7,20,000						
"	Supervisor's salary (Rs. 50,000 \times 9 \times 2/3)	3,00,000						
"	Machine**	7,85,270	" Works cost (balancing 23,57,200 figure)					
		31,02,470	31,02,470					
"	Works cost	23,57,200	" Value of work certified 21,00,000 3 (50%×42,00,000)	}{1 M]				
"	Costing P&L A/c (Notional profit) {4 M}	3,32,100	" Cost of work uncertified 5,89,300 (Working Note 2)	}{1 M]				
	-)	26,89,300	26,89,300					

** Alternatively Depreciation on machine can be shown debit side of Contract Account.

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{2 M}

Working notes:

(a)

Written down value of Machine: 1.

Depreciation =
$$\frac{\text{Rs. } 7,85,270 - \text{Rs. } 75,000}{9 \text{ years}} \times \frac{185 \text{ days}}{365 \text{ days}} = \text{Rs. } 40,000$$

Hence the value of machine after the period of 185 days = Rs. 7,85,270 -Rs. 40,000 = Rs. 7,45,270

The cost of 2/3rd of the contract is Rs. 23,57,200 2. :. Cost of 100% " ...

" "
$$\frac{\text{Rs. } 23,57,200}{2}$$
 x 3 = Rs. 35,35,800

 \therefore Cost of 50% of the contract which has been certified by the architect is Rs. 17,67,900. Also, the cost of $1/6^{th}$ (2/3 - 1/2) of the contract, which has been completed but not certified by the architect is Rs. 5,89,300.

Answer 5:

(a) (i)

Production Budget (in units) for the year ended 31st March 2018

	Product A	Product B	
Budgeted sales (units)	36,000	16,700	
Add: Increase in closing stock	860	400	
No. of good units to be produced	36,860	17,100	
Post production rejection rate	3%	5%	} {3 M }
No. of units to be produced	38,000	18,000	
	$\left(\frac{36,860}{0.97}\right)$	$\left(\frac{17,100}{0.95}\right)$	

(b) Purchase budget (in kgs and value) for Material C

	Product A	Product B	
No. of units to be produced	38000	18000	
Usage of Material C per unit of production	4 kg.	5 kg.	
Material needed for production	1,52,000 kg.	90,000 kg.	}{3 M}
Materials to be purchased	1,60,000 kg.	93,750 kg.	
	$\left(\frac{1,52,000}{0.95}\right)$	$\left(\frac{90,000}{0.96}\right)$	
Total quantity to be purchased	2,53,750 kg.)
Rate per kg. of Material C	Rs. 45		}
Total purchase price	Rs.	1,14,18,750	J

(ii) Calculation of Economic Order Quantity for Material C

$$EOQ = \sqrt{\frac{2 \times 2,53,750 \times \text{Rs. } 250}{45 \times 9\%}} = \sqrt{\frac{12,68,75,0\ 00}{4.05}} = 5.597 \text{ kg. (Approx)} \left\{ 2 \text{ M} \right\}$$

Answer:

Statement of Reconciliation (b)

SI.No.	Particulars	Amount (Rs.)	Amount (Rs.)
	Net loss as per Cost Accounts		(35,400)
	Additions		
1.	FactoryO/H over recovered	1,35,000	{1/2 M}
2.	Dividend Received	20,000	
3.	Bank Interest received	13,600	{1/2 M}
4.	Difference in Value of Opening Stock	20,000	{1/2 M}
	(1,65,000 - 1,45,000)		
5.	Difference in Value of Closing Stock	6,500	{1/2 M}
	(1,32,000 - 1,25,500)		

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6.	Notional Rent of own Premises	60,000	{1/2 M} 2,55,100
	Deductions		
1.	Administration O/H under recovered	25,500	{1/2 M}
2.	Depreciation under charged	26,000	}{1/2 M}
3.	Loss due to obsolescence	16,800	{1/2 M}
4.	Income tax Provided	43,600	{1/2 M}
5.	Goodwill written-off	25,000	{1/2 M}
6.	Provision for doubtful debts	15,000	{1/2 M} (1,51,900)
	Net Profit as per Financial A/c.		67,800

Answer:

Calculation of Cost of Production and Profit for the month ended April 2018: (c)

Particulars	Amount (Rs.)	Amount (Rs.)	
Materials consumed:			
- Opening stock	6,06,000		
- Add: Purchases	28,57,000		
	34,63,000		
- Less: Closing stock	(7,50,000)	27,13,000	
Direct wages		37,50,000	
Prime cost		64,63,000	}{1 M}
Factory expenses		21,25,000	
		85,88,000	
Add: Opening W-I-P		12,56,000	
Less: Closing W-I-P		(14,22,000)	}{1 M}
Factory cost		84,22,000	
Less: Sale of scrap		(26,000)	
Cost of Production		83,96,000	}{1 M}
Add: Opening stock of finished goods		6,06,000	
Less: Closing stock of finished goods		(3,59,000)	
Cost of Goods Sold		86,43,000	}{1 M}
Office and administration expenses		10,34,000	
Selling and distribution expenses		7,50,000	
Cost of Sales		1,04,27,000	
Profit (balancing figure)		29,73,000	}{1 M}
Sales		1,34,00,000	

Answer 6:

(a) Controllable costs and Uncontrollable costs: Cost that can be controlled, typically by a cost, profit or investment centre manager is called controllable cost. Controllable costs incurred in a particular responsibility centre can be influenced by {5 M} the action of the executive heading that responsibility centre. Costs which cannot be influenced by the action of a specified member of an undertaking are known as uncontrollable costs.

Answer:

- Cost plus contract: Under cost plus contract, the contract price is ascertained by) (b) adding a percentage of profit to the total cost of the work. Such types of contracts are entered into when it is not possible to estimate the contract cost with reasonable accuracy due to unstable condition of material, labour services etc. Following are the advantages of cost plus contract:
 - (i) The contractor is assured of a fixed percentage of profit. There is no risk of {5 M} incurring any loss on the contract.
 - It is useful specially when the work to be don is not definitely fixed at the (ii) time of making the estimate.
 - (iii) Contractee can ensure himself about the 'cost of contract' as he is empowered to examine the books and documents of the contractor to ascertain the veracity of the cost of contract.

Answer:

(c) In integrated accounting system cost and financial accounts are kept in the same set of books. Such a system will have to afford full information required for Costing as well as for Financial Accounts. In other words, information and data should be recorded in such a way so as to enable the firm to ascertain the cost (together with the necessary analysis) of each product, job, process, operation or any other identifiable activity. It also ensures the ascertainment of marginal cost, variances, abnormal losses and gains. In fact all information that management requires from a system of Costing for doing its work properly is made available. The integrated accounts give full information in such a manner so that the profit and loss account and the balance sheet can be prepared according to the requirements of law and the management maintains full control over the liabilities and assets of its business.

Since, only one set of books are kept for both cost accounting and financial accounting purpose so there is no necessity of reconciliation of cost and financial accounts.

Answer:

- (d) The impact of IT in cost accounting may include the followings:
 - (i) After the introduction of ERPs, different functional activities get integrated and as a consequence a single entry into the accounting system provides custom made reports for every purpose and saves an organisation from preparing different sets of documents. Reconciliation process of results of both cost and financial accounting systems become simpler and less sophisticated.
 - (ii) A move towards paperless environment can be seen where documents like Bill of Material, Material Requisition Note, Goods Received Note, labour utilisation report etc. are no longer required to be prepared in multiple copies, the related department can get e-copy from the system.
 - (iii) Information Technology with the help of internet (including intranet and extranet) helps in resource procurement and mobilisation. For example, production department can get materials from the stores without issuing material requisition note physically. Similarly, purchase orders can be initiated to the suppliers with the help of extranet. This enables an entity to shift towards Just-in-Time (JIT) approach of inventory management and production.
 - (iv) Cost information for a cost centre or cost object is ascertained with accuracy in timely manner. Each cost centre and cost object is codified and all related costs are assigned to the cost object or cost centre. This process automates the cost accumulation and ascertainment process. The cost information can be customised as per the requirement. For example, when an entity manufacture or provide services, it can know information job-wise, batch-wise, process-wise, cost centre wise etc.
 - (v) Uniformity in preparation of report, budgets and standards can be achieved with the help of IT. ERP software plays an important role in bringing uniformity irrespective of location, currency, language and regulations.
 - (vi) Cost and revenue variance reports are generated in real time basis which enables the management to take control measures immediately.
 - (vii) IT enables an entity to monitor and analyse each process of manufacturing or service activity closely to eliminate non value added activities.

The above are examples of few areas where Cost Accounting is done with the help of IT.

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