(GI-2, GI-6, GI-7, VI-1, VDI-1, DRIVE & FMT) DATE: 01.08.2023 MAXIMUM MARKS: 100 TIMING: 3<sup>1</sup>/<sub>4</sub> Hours

### COST AND MANAGEMENT ACCOUNTING

Answer to questions are to be given only in English except in the case of candidates who have opted for Hindi Medium. If a candidate who has not opted for Hindi Medium. His/her answer in Hindi will not be valued.

**Question No. 1 is compulsory.** 

Candidates are also required to answer any Four questions from the remaining Five Questions.

In case, any candidate answers extra question(s)/sub-question(s) over and above the required number, then only the requisite number of questions first answered in the answer book shall be valued and subsequent extra question(s) answered shall be ignored.

Wherever necessary, suitable assumptions may be made and disclosed by way of note.

#### Answer 1:

(a) (i) & (ii) Calculation of Sales value and Selling price per unit of Monkey Pox vaccine

Particulars	Amount (Rs.) per Batch	Amount (Rs.) for 1600 units or 20 batches	Amount (Rs.) per unit	
Direct materials	4,250	85,000	53.125	}{1/2 M}
Direct wages	500	10,000		}{1/2 M}
Lab set-up cost	1,400	28,000	17.500	}{1/2 M}
Production overheads (20% of direct wages)	100	2,000	1.250	}{1/2 M}
Production Cost	6,250	1,25,000	78.125	}{1/2 M}
Selling, distribution and administration cost (20% of Production cost)	1,250	25,000	15.625	}{1/2 M}
Total Cost	7,500	1,50,000	93.75	
<i>Add:</i> Profit (1/3rd of Total cost or 25% of Sales value)	2,500	50,000	31.25	
Sales value	10,000	<b>{1 M}{</b> 2,00,000	125.00	}{1 M}

#### Answer:

## (b)

Particu	lars		Vehicle loan Applications	Education loan Application	Total
			(Rs.)	(Rs.)	(Rs.)
Employee Cost			2,00,000	1,40,000	3,40,000
			(Rs. 50,000 × 4)	(Rs. 70,000 × 2)	
Apportionment	of Brai	nch	27,000	27,000	54,000
manager's salary					
Legal charges,	Printing	&	18,000	18,000	36,000
stationery and	Advertis	ing			r -
expenses		-			
Other expenses			3,000	3,000	6,000
Total cost			<b>{1 M}{</b> 2,48,000	1,88,000	4,36,000}

#### (i) **Computation of cost of processing a vehicle loan application:** Total Cost ÷ No. of applications

Rs. 2,48,000 ÷ 496 = Rs. 500 **}{1 M}** 

(ii) Computation of no. of Education loan Processed  
Total Cost = No. of applications × Rs. 500  
No. of education loan applications = Rs. 1,88,000 + Rs. 500 = 376 }{1 M}  
applications  
Answer:  
(c) (i) Calculation of Economic Order Quantity  
Annual requirement (A) = 7500×12 = 90,000 Valves  
Cost per order (O) = Rs. 15  
Turvenory carrying cost () = 20%  
Cost per unit of spare (c) = Rs. 1.5  
Carrying cost per unit (i × c) = Rs. 1.5 × 20% = Rs. 0.30  
Economic Order Quantity (EOQ) = 
$$\sqrt{\frac{2 \times 4 \times C}{i \times c}}$$
  
 $= \sqrt{\frac{2 \times 90,000 \times 115}{0.3}} = 3,000 Valves }{14^{107} M}$   
Frequency of order or Number of Orders = 90,000/3,000 = 30 orders.  
So Order can be placed in every 12 (360 days/30) days  
Carrying cost is 20% of Rs. 4.50 = Rs. 0.90 {f1 M}  
(ii) Re-order Quantity = {Maximum Consumption X Maximum lead time} +  
safety Stock  
 $= {7500 \times 1.5} + 3200 = 14,450 Valves }{11 M}$   
(iii) Calculation of Economic Order Quantity if valve costs Rs. 4.50  
Carrying cost is 20% of Rs. 4.50 = Rs. 0.90  
Economic Order Quantity (EOQ)  $= \sqrt{\frac{2 \times 4 \times O}{i \times c}}$   
 $= \sqrt{\frac{2 \times 90000 \times 115}{0.90}}$   
 $= 1732.0508 units or 1733 Valves }{11^{102} M}$   
Break Even Point in Value ( $\overline{\tau}$ ) =  $\frac{Fixed Cost}{P / V ratio} = \frac{16,80,000}{40\%} = \overline{\tau} 42,00,000 H1/2 M}$   
Break Even Point in Units =  $\frac{Fixed Cost}{Contribution} = \frac{16,80,000}{120} = 14,000 Units K1/2 M}$   
(ii) Margin of safety (in Amount)  $= \frac{Profit}{P / V ratio} = \frac{7,20,000}{40\%} = \overline{\tau} 18,00,000 {11/2 M}$   
Margin of safety (in Amount)  $= \frac{Profit}{Contribution} = \frac{7,20,000}{40\%} = \overline{\tau} 18,00,000 {11/2 M}$   
Margin of safety (in units) =  $\frac{Profit}{Contribution} = \frac{7,20,000}{120} = 6,000 units {11/2 M}$ 

#### MITTAL COMMERCE CLASSES

(iii) Profit when sales are 24,000 units

Profit when sales are 24,000 units		)
Particular	(Rs.)	
Contribution (24,000 x 120)	28,80,000	<b>≻{1 M}</b>
Less: Fixed cost	<u>16,80,000</u>	
Profit	12,00,000	V

#### Sales in value to earn a net profit of Rs. 10,00,000 (iv)

$$\frac{\text{Fixed Cost} + \text{Desired profit}}{P/V \text{ Ratio}} = \frac{16,80,000 + 10,00,000}{40\%} = \text{₹} 67,00,000 \text{ }\text{{1 M}}$$

#### Answer 2:

(a) No. of bags manufactured = 1,000 units

	Cost sheet for the month of Septembe	er 2021		
	Particulars	Total Cost	Cost per	
		(Rs.)	unit (Rs.)	
1.	Direct materials consumed:			
	- Leather sheets	3,20,000	320.00	J
	- Cotton cloths	15,000	15.00	
	Add: Freight paid on purchase	8,500	8.50	
	(i) Cost of material consumed	3,43,500	343.50	{9 Line x
2.	Direct wages (Rs. $80 \times 2,000$ hours)	1,60,000	160.00	1/4 M =
3.	Direct expenses (Rs. $10 \times 2,000$ hours)	20,000	20.00	2.25 M}
4.	(ii) Prime Cost	5,23,500	523.50	
5.	Factory Overheads: Depreciation on machines	16,500	16.50	
	{(Rs. 22,00,000 × 90%) ÷ 120 months}			
	Apportioned cost of factory rent	98,000	98.00	
6.	(iii) Works/ Factory Cost	6,38,000	638.00	}{1/2 M}
7.	Less: Realisable value of cuttings	(5,250)	(5.25)	}{1/2 M}
	(Rs. 150×35 kg.)			
8.	(iv) Cost of Production	6,32,750	632.75	}{1/2 M}
9.	Add: Opening stock of bags	0		
10.	Less: Closing stock of bags	(63,275)		}{1/2 M}
	(100 bags × Rs. 632.75)			_
11.	(v) Cost of Goods Sold	5,69,475	632.75	}{1/2 M}
12.	Add: Administrative Overheads:			
	- Staff salary	45,000	50.00	
	- Apportioned rent for administrative office	12,000	13.33	{5 Line x
13.	Add: Selling and Distribution Overheads			∫ 1/4 M =
	- Staff salary	72,000	80.00	1.25 M}
	<ul> <li>Apportioned rent for sales office</li> </ul>	10,000	11.11	
	<ul> <li>Freight paid on delivery of bags</li> </ul>	18,000	20.00	1
14.	(vi) Cost of Sales {1/2 M}	7,26,475	807.19	}{1/2 M}

Apportionment of Factory rent:

To factory building {(Rs. 1,20,000  $\div$  2400 sg. feet)  $\times$  1,960 sg. feet} = Rs. 98,000 }{1 M} To administrative office {(Rs. 1,20,000  $\div$  2400 sq. feet)  $\times$  240 sq. feet} = Rs. 12,000 }{1 M} To sale office {(Rs. 1,20,000  $\div$  2400 sq. feet)  $\times$  200 sq. feet} = Rs. 10,000 }{1 M}

#### **Answer:**

Variable Cost per Unit=Rs. 16 (b)

Fixed Cost per Unit =Rs. 4, Total Fixed Cost= 2,00,000 units x Rs. 4 = **Rs. 8,00,000** }{1 M} Total Cost per Unit =Rs. 20 Selling Price per Unit=Total Cost+ Profit =Rs. 20 + Rs. 4 =Rs. 24

Contribution per Unit=Rs. 24-Rs. 16= Rs. 8 {1 M}

#### **INTERMEDIATE – MOCK TEST**

(i)	Present Break-even Sales (Quantity) = $\frac{\text{Fixed cost}}{\text{Fixed cost}} = \frac{\text{Rs.8,00,000}}{\text{Fixed cost}}$
(1)	Contribution marginper unit Rs.8 = 1,00,000 units
	Present Break-even Sales (Rs.) = 1,00,000 units x Rs. $24 = Rs. 24,00,000$
(ii)	Present P/V Ratio = $\frac{8}{24} \times 100 = 33.33\%$ }2 M}
(iii)	Revised Selling Price per unit = Rs. 24 - 10% of Rs. 24 = Rs. 21.60 Revised Contribution per unit = Rs. 21.60 - Rs. 16 = Rs. 5.60
	Revised P/V Ratio = $\frac{5.60}{21.60} \times 100 = 25.926\%$
	Revised Break-even point (Rs.) = $\frac{\text{Fixed cost}}{\text{P/V ratio}} = \frac{8,00,000}{25.926\%} = Rs. 30,85,705$ {2 M}
	Or
	Revised Break-even point (units) = $\frac{\text{Fixedcost}}{\text{Contribution marginperunit}} = \frac{8,00,000}{5.60} = 1,42,857 \text{ units}$
	Revised Break-even point (Rs.) = 1,42,857 units x Rs. 21.60 = Rs. 30,85,711 $\int$
(iv)	Present profit =Rs. 8,00,000 Desired Profit = 120% of Rs. 8,00,000 =Rs. 9,60,000 Sales to earn a profit of Rs. 9,60,000 Total contribution required = $8.00.000 + 9,60,000 = Rs. 17,60,000$ $\frac{\text{Fixed cost}}{\text{Contribution marginperunit}} = \frac{8,00,000 + 9,60,000}{5.60} = 3,14,286 \text{ units}$
	Revised sales (in Rs.) = $3,14,286$ units x Rs. $21.60$ = Rs. $67,88,578$

#### Answer 3:

#### (a) (a) Calculation of Raw Material inputs during the month:

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

(1.5 M Bold)

#### (b) 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

(1/8 M each Bold)

# (c) 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)	4,824	4,952	5,016
(refer the working note)			
Cost of equivalent units	Rs. 1,10,952	Rs. 34,664	Rs. 45,144
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
		(1/8	M each Bold)

Workings:

#### Statement of Equivalent Units (litre):

Input	Units	Output details	Units	E	quiva	alent Pr	oduct	ion	
Details		-		Mater	ial	Labo	ur	Overh	eads
				Units	(%)	Units	(%)	Units	(%)
Opening WIP	800	Units completed:							
Units introduced	5,360	- Opening WIP	800			240	30	320	40
		- Fresh inputs	3,400	3,400	100	3,400	100	3,400	100
		- 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	

(1/8 M each Bold)

#### (d) 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
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
	•			(1/8 M	each Bold)

#### Answer:

(b)

 $= \{(SQ \times SP) - (AQ \times AP)\}$ (i) Material Cost Variance (A + B) = (SQ × SP) - Rs. 59,825 Rs. 3,625 = Rs. 63,450  $(SQ \times SP)$  $(SQ_A \times SP_A) + (SQ_B \times SP_B)$ = Rs. 63,450  $(940 \text{ kg} \times \text{SP}_{A}) + (705 \text{ kg} \times \text{Rs}.30)$ = Rs. 63,450  $(940 \text{ kg} \times \text{SP}_{A}) + \text{Rs.21,150}$ = Rs. 63,450  $(940 \text{ kg} \times \text{SP}_{A})$ = Rs. 42,300  $SP_A$ = <u>Rs. 42,300</u> 940 kg

#### Standard Price of Material-A = Rs. 45 }(2 M Bold)

#### Working Note:

SQ i.e. quantity of inputs to be used to produce actual output

$$= \frac{1,480 \text{ kg}}{90\%} = 1,645 \text{ kg}$$
SQ<sub>A</sub>

$$= \frac{800 \text{ kg}}{(800 + 600)} \times 1,645 \text{ kg} = 940 \text{ kg}$$
SQ<sub>B</sub>

$$= \frac{600 \text{ kg}}{(800 + 600)} \times 1,645 \text{ kg} = 705 \text{ kg}$$
(ii) Material Price Variance (A + B)
$$= \{(\text{AQ} \times \text{SP}) - (\text{AQ} \times \text{AP})\}$$
Rs. 175
$$= (\text{AQ} \times \text{SP}) - \text{Rs. 59,825}$$

	(AQ × SP)	= Rs. 60,000
(AQ <sub>A</sub>	$\times$ SP <sub>A</sub> ) + (AQ <sub>B</sub> $\times$ SP <sub>B</sub> )	= Rs. 60,000
(900	kg × Rs. 45 (from (i) above)	)
+ (AQ	Q <sub>B</sub> × Rs. 30)	= Rs. 60,000
Rs. 40	$0,500 + (AQ_B \times Rs. 30)$	= Rs. 60,000
(AQ <sub>B</sub>	× Rs. 30)	= Rs. 19,500
SP <sub>A</sub> =	<sup>:</sup> <u>Rs. 19,500</u> 650 kg	
	000 kg	
Actual Ouant	tity of Material B	= 650 kg. } (2 M Bold)
the second second		····
(iii) (AQ × A	-	= Rs. 59,825
(iii) (AQ × A	-	
(iii) (AQ $\times$ A (AQ <sub>A</sub> $\times$	AP)	= Rs. 59,825
(iii) (AQ $\times$ A (AQ <sub>A</sub> $\times$ (900 kg	$AP)$ $AP_{A}) + (AQ_{B} \times AP_{B})$	= Rs. 59,825
(iii) $(AQ \times A)$ $(AQ_A \times A)$ (900  kg) above)	AP) AP <sub>A</sub> ) + (AQ <sub>B</sub> × AP <sub>B</sub> ) $\times$ AP <sub>A</sub> ) + (650 kg (from (ii)	= Rs. 59,825 = Rs. 59,825
(iii) $(AQ \times A)$ $(AQ_A \times A)$ (900  kg) above)	AP) $AP_A$ + (AQ <sub>B</sub> × AP <sub>B</sub> ) $AP_A$ + (650 kg (from (ii) × Rs. 32.5) $AP_A$ + Rs. 21,125	= Rs. 59,825 = Rs. 59,825 = Rs. 59,825
(iii) $(AQ \times A)$ $(AQ_A \times (900 \text{ kg})$ above) (900  kg) (900  kg)	AP) $AP_A$ ) + (AQ <sub>B</sub> × AP <sub>B</sub> ) $AP_A$ ) + (650 kg (from (ii)) × Rs. 32.5) $AP_A$ ) + Rs. 21,125	= Rs. 59,825 = Rs. 59,825 = Rs. 59,825 = Rs. 59,825

(iv) Total Actual Quantity of Material-A and Material-B =  $AQ_A + AQ_B$  = 900 kg + 650 kg (from (ii) above) = 1,550 kg

Revised $SQ_A$	= <u>800kg</u> (800+600)×1,550kg.= <b>886 kg</b>
Revised SQ <sub>B</sub>	= <u>600kg</u> (800+600) ×1,550kg. = <b>664 kg</b>
	(1 M Each Bold)

(v) Material Mix Variance  $(A + B) = \{(RSQ \times SP) - (AQ \times SP)\}$ 

- $= \{(RSQ_A \times SP_A) + (RSQ_B \times SP_B) 60,000\}$ 
  - = (886 kg (from (iv) above) × Rs. 45 (from (i) above))
  - + (664 kg (from (iv) above) × Rs. 30) Rs. 60,000
  - = (39,870 + 19,920) 60,000 = Rs. 210 (A) } (2 M Bold)

#### Answer 4:

Now,

#### (a) Journal Entries under integrated system of accounting

	Particulars		(Rs.)	(Rs.)	]
(i)	Work-in-Progress Ledger Control A/c	Dr.	3,25,000		D
	Factory Overhead Control A/c	Dr.	1,15,000		
	To Stores Ledger Control A/c			4,40,000	(2
	(Being issue of Direct and Indirect materials)				J
(ii)	Work-in-Progress Ledger Control A/c	Dr.	4,87,500		D
	Factory Overhead Control A/c	Dr.	1,62,500		
	To Wages Control A/c			6,50,000	<b>}(</b> 2
	(Being allocation of Direct and Indirect wages)				

(iii)	Factory Overhead Control A/c	Dr.	2,50,000		Ŋ
	To Costing Profit & Loss A/c			2,50,000	(1 M)
	(Being transfer of over absorption of Factory overhead)				
	Costing Profit & Loss A/c	Dr.	1,75,000		h
	To Administration Overhead Control A/c			1,75,000	{(1 M)
	(Being transfer of under absorption of				
	Administration overhead)				J
(iv)	Sundry Creditors A/c	Dr.	1,50,000		
	To Cash/Bank A/c			1,50,000	(2 M)
	(Being payment made to creditors)				(,
(v)	Cash/Bank A/c	Dr.	2,00,000		h
	To Sundry Debtors A/c			2,00,000	(2 M)
	(Being payment received from debtors)				J,

#### Answer:

#### (b) (i) Statement showing allocation of Joint Cost

Particulars	B1	B2
No. of units Produced	1,800	3,000
Selling Price Per unit (Rs.)	40	30
Sales Value (Rs.)	72,000	90,000
Less: Estimated Profit (B1 -20% & B2 -30%)	(14,400)	(27,000)
Cost of Sales	57,600	63,000
Less: Estimated Selling Expenses (B1 -15% & B2 -15%)	(10,800)	(13,500)
Cost of Production	46,800	49,500
Less:Cost after separation	(35,000)	(24,000)
Joint Cost allocated	11,800	25,500
	(1/4 M	Each Bold)

#### (ii) **Statement of Profitability**

Particulars	M1 (Rs.)	B1 (Rs.)	B2 (Rs.)		
Sales Value (A)	4,00,000 (4,000 × Rs.100)	72,000	90,000		
Less:- Joint Cost	1,75,100 (2,12,400 -11,800 - 25,500)	11,800	25,500		
<ul> <li>Cost after separation</li> </ul>	-	35,000	24,000		
- Selling Expenses (M1- 20%, B1-15% & B2-15%)	80,000	10,800	13,500		
(B)	2,55,100	57,600	63,000		
Profit (A – B)	1,44,900	14,400	27,000		
(1/4 M Each Bold) Overall Profit = Rs. 1,44,900 + Rs. 14,400 + Rs. 27,000 = <u>Rs. 1,86,300</u>					
0000000 + 10000 - 1000 + 10000 + 1000 + 100000 + 100000 + 100000 + 100000 + 100000000		25 M Under			

(1.25 M Underline Bold)

#### Answer 5:

(a) (i) Calculation of total cost for 'Professionals Protection Plus' policy

	Particulars	Amount (Rs.)	Amount (Rs.)
1.	Marketing and Sales support:		
	<ul> <li>Policy development cost</li> </ul>	11,25,000	
	<ul> <li>Cost of marketing</li> </ul>	45,20,000	
	<ul> <li>Sales support expenses</li> </ul>	11,45,000	67,90,000
2.	Operations:		
	<ul> <li>Policy issuance cost</li> </ul>	10,05,900	
	<ul> <li>Policy servicing cost</li> </ul>	35,20,700	
	- Claims management cost	1,25,600	46,52,200

3.	3. IT Cost		74,32,000
4.	Support functions		
	<ul> <li>Postage and logistics</li> </ul>	10,25,000	
	- Facilities cost	15,24,000	
	- Employees cost	5,60,000	
	- Office administration cost	16,20,400	47,29,400
	Total Cost		2,36,03,600

(Each Bold 1/3 M)

(ii)	Calculation of cost per policy =	Totalcost	Rs. 2,36,03,600
(1)	Calculation of cost per policy -	No. of policies	528
	= <b>Rs. 44,703.79</b> }{2.5 M}		
(;;;)	Cast par rupas of insured value	Totalcost	Rs. 2.36 crore
(iii)	Cost per rupee of insured value	Totalinsured v	alue Rs. 1,320 crore

#### = Rs. .001787 }{2.5 M}

#### Answer:

#### (b) (i) Calculation of Factory overhead rate.

If the single brand production was in operation, then 1 unit of Luxury = 3 units of Herbal = 6 units of Beauty. Therefore, the factory overhead ratio in the reverse order would be 5,000:15,000:30,000or 1:3:6.

The overhead rate will be lowest in case of brand which will be produced in high number. Therefore, in case of Beauty soap brand, the overhead rate will be:

 $= \frac{80,000}{6 \times 6,750 + 3 \times 14,000 + 1 \times 77,500}$ 

 $= \frac{80,000}{40,500 + 42,000 + 77,500}$ 

$$= \frac{80,000}{1,60,000} = 0.5$$
 {1/2 M}

So, the overhead rate will be: Luxury =  $0.5 \times 6 =$ **Rs. 3**  $\{1/2 M\}$ Herbal =  $0.5 \times 3 =$ **Rs. 1.5**  $\{1/2 M\}$ Beauty =  $0.5 \times 1 =$ **Rs. 0.5**  $\{1/2 M\}$ 

#### (ii) Statement of Cost of Mix Soap Pvt. Ltd. for the month of June 2021:

	Luxury (Rs.)	Herbal (Rs.)	Beauty (Rs.)	Total
				(Rs.)
Raw material	20,000	47,000	2,40,000	3,07,000
consumed				
Add: Wages paid	7,500	18,750	1,15,000	1,41,250
Prime cost	27,500	65,750	3,55,000	4,48,250
Add: Factory	20,250	21,000	38,750	80,000
overheads				
	(Rs. 3 x 6,750)	(Rs. 1.5 x	(Rs. 0.5 x	
		14,000)	77,500)	
Works cost	47,750	86,750	3,93,750	5,28,250
Add:	16,000	16,000	16,000	48,000
General &				-
administration				
overheads (1:1:1)				
Add: Selling	9,550	17,350	78,750	1,05,650

expenses				
	(Rs. 47,750 x	(Rs .86,750 x	(Rs. 3,93,750 x	
	0.20)	0.20)	0.20)	
Cost of sales	73,300	1,20,100	4,88,500	6,81,900
Profit	95,450	89,900	1,31,500	3,16,850
(Balancing figure)				
Sales	1,68,750	2,10,000	6,20,000	9,98,750
	(Rs. 25 x	(Rs. 15 x	(Rs. 8 x	
	6,750)	14,000)	77,500)	

(Each Bold = 1/2 M)

#### Answer 6:

(a) Just in Time (JIT) Inventory Management is also known as 'Demand pull' or 'Pull through' system of production. In this system, production process actually starts after the order for the products is received. Based on the demand, production process starts and the requirement for raw materials is sent to the purchase department for purchase.

It is a system of inventory management with an approach to have a zero inventories in stores. According to this approach material should only be purchased when it is actually required for production.

#### JIT is based on two principles

- (i) Produce goods only when it is required and
- (ii) the products should be delivered to customers at the time only when they want.

#### Answer:

(b)

S. No.	Items	Accounts	)	
(i)	Preliminary expenses written off during the year	Financial Accounts		
(ii)	Interest received on bank deposits	Financial Accounts		
(iii)	Dividend, interest received on investments	Financial Accounts		
(iv)	Salary for the proprietor at notional figure though	Cost Accounts		
	not incurred		{1/2 M	
(v)	Charges in lieu of rent where premises are owned	Cost Accounts	Each	
(vi)	Rent receivables	Financial Accounts	Point}	
(vii)	Loss on the sales of Fixed Assets	Financial Accounts	Fonity	
(viii)	Interest on capital at notional figure though not	Cost Accounts		
	incurred			
(ix)	Goodwill written off	Financial Accounts		
(x)	Notional Depreciation on the assets fully	Cost Accounts		
	depreciated for which book value is nil		)	

### Answer:

(c)

Business functions		Cost Driver	]
Research and Development		Number of research projects	]
	•	Personnel hours on a project	<b>≻{1 M}</b>
	•	Technical complexities of the project	J
Design of products, services and	•	Number of products in design	ħ
procedures	•	Number of parts per product	<b>}{1 M}</b>
	•	Number of engineering hours	ļ
Customer Service	•	Number of service calls	<b>h</b>
	•	Number of products serviced	<b>}{1 M}</b>
	•	Hours spent on servicing products	ļ
Marketing	•	Number of advertisements	
	•	Number of sales personnel	}{1 M}
	•	Sales revenue	ł

#### MITTAL COMMERCE CLASSES

#### **INTERMEDIATE – MOCK TEST**

Distribution	•	Number of units distributed		
	•	Number of customers	}{	1 M}
	•	Weight of items distributed	Ų	

Answer: (d) **Budget Manual:** The budget manual is a booklet specifying the objectives of an organisation in relation to its strategy. The budget is made to decide how much an organisation would earn and spend and in what manner. In the budget, the organisation sets its priorities too. Effective budgetary planning relies on the provision of adequate information to the individuals involved in the planning process. Many of these information needs are  $\{1^{1/2} M\}$ contained in the budget manual. A budget manual is a collection of documents that contains key information for those involved in the planning process. CIMA London defines budget manual as, 'A document which sets out the responsibilities of the persons engaged in, the routines of, and the forms and records required for, budgetary control'. Contents of a budget manual: Typical budget manual may include the following: (i) A statement regarding the objectives of the organisation and how they can) be achieved through budgetary control; A statement about the functions and responsibilities of each executive, both (ii) regarding preparation and execution of budgets; (iii) Procedures to be followed for obtaining the necessary approval of budgets. The authority of granting approval should be stated in explicit terms. Whether, one two or more signatures are required on each document should be clearly stated; (iv) A form of organisation chart to show who are responsible for the preparation of each functional budget and the way in which the budgets are interrelated. (v) A timetable for the preparation of each budget. (vi) The manner of scrutiny and the personnel to carry it out; (vii) Reports, statements, forms and other record to be maintained. {1/4 M The accounts classification to be employed. It is necessary that the (viii) Each framework within which the costs, revenue and other financial accounts are Point} classified must be identical both in the accounts and budget department. (ix) The reporting of the remedial action. The manner in which budgets, after acceptance and issuance, are to be (x) revised or amended, these are included in budgets and on which action can be taken only with the approval of top management (xi) This will prevent the formation of a 'bottleneck' with the late preparation of one budget holding up the preparation of all others. Copies of all forms to be completed by those responsible for preparing (xii) budgets, with explanations concerning their completion. (xiii) A list of the organization's account codes, with full explanations of how to use them. (xiv) Information concerning key assumptions to be made by managers in their budgets, for example the rate of inflation, key exchange rates, etc.