Cost Accounting Guess Paper For B.Com Annual Exam 2020

Question No.1

Fawad Limited imports a high value machinery for its manufacturing process. Following data, relating to the machinery, has been extracted from Fawad's records for the last twelve months:

Maximum usage in a month	300 units
Minimum usage in a month	200 units
Average usage in a month	225 units
Maximum lead time	6 months
Minimum lead time	2 months
Re-order quantity	750 units

Calculate the average stock level for the machinery

Solution.

Average stock level:

Average stock level = minimum level + $\frac{1}{2}$

(reorder quantity) As minimum level is not given it will be computed as follows:

Re-order level = maximum usage \times maximum lead time

Re-order level = $300 \times 6 = 1,800$ units.

Minimum level = Re-order level – (average usage × average lead time)

Minimum level = $1,800 - (225 \times (6+2/2) = 900$ units.

Therefore, Average stock level = $900 + (\frac{1}{2}750) = 1,275$ units.

The Babar Company uses both a Factory Ledger and a General Ledger. It records its costs under job order cost system. The following transactions took place during the month of July 2009:

(i) Materials purchased and delivered directly to production (without going to store room), which was used as follows:

Direct Materials	Rs. 2,800	
Indirect Materials	Rs. 500	Rs. 3,300

(ii) Labour cost charged to production during the month as follows:

Direct labour cost	Rs. 20,000
Indirect labour cost	5,000
Sales Salaries	2,000
General Office Salaries	3,000

- (iii) Factory over applied to production during the month at the rate of 110% of Direct Labour Cost.
- (iv) Depreciation at an annual rate of 10% of the original cost of machinery Rs. 120,000 was recorded.
- (v) Goods completed totaled Rs. 65,000.
- (vi) Goods Costing Rs. 60,000 were sold for Rs. 100,000 on account.
- (vii) Sales Returns by the customer Rs. 1,000, the Cost of Sales Return being Rs. 600.

REOUIRED:

Journal entries in the General office and Factory Office Books.

Solution:

General Office Book

Date	Particulars	Debit (Rs)	Credit (Rs)
(i)	Factory ledger	3,300	
	Voucher payable		3,300
	(Material purchased and directly issued to production)		
(ii)	Payroll	30,000	
	Accrued payroll		30,000
	(Payroll and accrued payroll recorded)		
(iii)	Accrued payroll	30,000	

	Voucher payable		30,000
	(Accrued payroll vouched)		
(iv)	Voucher payable	30,000	
	Cash		30,000
	(Payment to workers)		
(v)	Factory ledger	25,000	
	Selling expenses	2,000	
	General office expenses	3,000	
	Payroll		30,000
	(Distribution of payroll)		
(vi)	Factory ledger	12,000	
	Allowance for depreciation on machinery		12,000
	(Depreciation on machinery recorded)		
(vii)	Cost of goods sold	60,000	
	Factory ledger		60,000
	(Cost of goods sold recorded)		
(viii)	Accounts receivable	100,000	
	Sales		100,000
	(Goods sold on account)		
(ix)	Sales return	1,000	1 000
	Accounts receivable		1,000
	(Credit sales return by customers)		
(x)	Factory ledger	600	600
	Cost of goods sold		600
	(Cost of sales return recorded)		
	TOTAL	296,900	296,900

Factory Office Book

Date	Particulars	Debit (Rs)	Credit (Rs)
(i)	W.I.P	2,800	
	F.O.H Control	500	
	General Ledger		3,300
	(Direct material & indirect materials purchased & directly		
	issued to production)		
(ii)	W.I.P	20,000	
	F.O.H Control	5,000	
	General Ledger		25,000
	(Direct& indirect payroll recorded & payroll sheet sent to head		
	office)		
(iii)	W.I.P	22,000	
	F.O.H Applied cost		22,000
	(F.O.H cost applied to production @ 110% of direct labour		
	cost)		
(iv)	F.O.H Control	12,000	
	General Ledger		12,000
	(Depreciation on machinery charged to F.O.H control A/c)		

	TOTAL	187,900	187,900
	(Cost of sales return recorded)		
	General ledger		600
(vii)	Finished goods	600	
	(Cost of goods sold recorded)		
	Finished goods		60,000
(vi)	General ledger	60,000	
	(Goods completed)		
	W.I.P		65,000
(v)	Finished goods	65,000	

Cost accountant of Loyal Manufacturing Company has prepared following summary:

Inventories at 1st July, 2010:

	Rs.
Raw materials	30,000
Work in process	18,000
Fuel	2,000
Factory repair parts	1,000
Finished goods	13,000
During the month following transaction took place	
Raw material purchased	130,000
Fuel purchased	18,000
Direct labour	120,000
Miscellaneous factory overhead ,	4,000
Repairs of factory (including purchase of parts)	5,000
Depreciation of plant	3,000
Superintendence	2,000
Transportation out	2,000
Purchase discount lost	1,000
Indirect factory labour	3,000
Inventories at 31 st July, 2010:	
Raw materials	32,000
Work in process	22,000
Fuel	3,000
Factory repair parts	2,000
Finished goods	18,000
	, -

Required: Prepare a statement of Cost of Goods Sold.

Solution:

Loyal Manufacturing Company Cost of Goods Manufactured & Sold Statement For the period ended 31st July 2010

	Rs.	Rs.
Direct Material Cost:		
Opening Inventory	30,000	
Add: Raw material purchased	130,000	
Cost of Raw material available for use	160,000	
Less: Closing Inventory	(32,000)	120,000
Raw Material Used / Consumed / Put into Process		128,000
Add: Direct Labour Cost		120,000
Prime Cost		248,000
Add: Factory Overhead cost		33,000
Total factory cost		281,000
Add: Work in process – Opening Inventory		18,000
Cost of Goods to be manufactured		299,000
Less: Work in process – closing inventory		(22,000)
Cost of goods manufactured		277,000
Add: Finished Goods – opening inventory		13,000
Cost of goods available for sale		290,000
Less: Finished Goods – closing inventory		(18,000)
Cost of Goods Sold		272,000
WORKING:		ъ
Factory Overhead Cost:	Rs.	Rs.
Fuel used: Opening Inventory of fuel	2,000	
Add: Fuel purchased	18,000	
Add. I del parenased	20,000	
Less: Closing inventory of fuel	(3,000)	17,000
Factory Repair Parts Used:	(3,000)	17,000
Opening Inventory of parts	1,000	
Add: Parts purchased	5,000	
	6,000	
Less: Closing Inventory of parts	(2,000)	4,000
Miscellaneous Factory Overhead	4,000	,
Depreciation of plant	3,000	
Superintendence	2,000	

Zakir electrical industry produces U.P.S. Assembling the last producing department during April received 1,700 units from preceding department at unit cost of Rs. 2,544.

During the month a total of 1,626 units were assembled. At the end of month 10 of the assembled units were in the department awaiting transfer.

70 in process units were estimated to be 4/5 complete as to materials and 3/5 complete as to labor and factory overhead. Remaining units were lost during processing. Direct materials Rs. 3,767,680, direct labor Rs. 420,336 and factory overhead RS. 380,304 were charged to the department during April.

There was no work in process beginning inventory.

Required: a. Schedule of equivalent production b. Cost of production report

Solution:

(a) Schedule of Equivalent Production:

Material = $1,616 \div 10 + (70 \times 4/5) = 1,682$ units Labour = $1,616 \div 10 + (70 \times 3/5) = 1,668$ units F.O.H = $1,616 \div 10 + (70 \times 3/5) = 1,668$ units

(a) Cost of Production Report:

Zakir electric Industry
Department No 2
Cost of Production report
or the period ended April

	For the period ended April				
1.	Ouantity Schedule:	Units	Units		
	Units received from preceding department		<u>1,700</u>		
	Units completed and transferred	1,616			
	Units completed but not transferred	10			
	Units still in process	70			
	Units lost in process (Normal)	4			
	•		<u>1,700</u>		
2.	Cost charged to the department:				
		Cost	P.U. Cost		
		Rs.	Rs.		
i.	Cost received from preceding dept.	4,324,800	2,544		
ii.	Cost added by the dept.				

Material cost Labour cost		3,767,680 420,336	2,240 252
F.O.H Cost Revised per unit cost (Due	to lost units)	380,304	228 2,550
revised per dime cost (Buc	to lost units)	<u>8,893.120</u>	<u>5,270</u>
3. Cost accounted for as follows:	lows:	Rs.	Rs.
a. Cost of units comp	oleted & transferred		
$= 1,616 \text{ units} \times \text{Rs. } 5,2$	70 =		8,516,320
b. Cost of units comp	oleted but not transferr	red:	
$= 10 \text{ units} \times \text{Rs. } 5,270$	=		52,700
c. Cost of units still i	n process		
i. Cost receive	ed from preceding dept.		
$=70 \text{ units} \times \text{Rs}$		178,500	
ii. Cost added	by the dept.		
· · · · · · · · · · · · · · · · · · ·	$= 70 \times 4/5 \times \text{Rs. } 2,24$	0 = 125,440	
Labour cost	$= 70 \times 3/5 \times Rs. 252$	= 10,584	
F.O.H Cost	$= 70 \times 3/5 \times \text{Rs.} 228$		
		,	324,100
Total cost accounted for			8,893,120
			- / /

4. Computation explanation:

i. Equivalent production:

= 1,682 unitsMaterial Labour = 1,668 units F.O.H = 1,668 units

ii. Per unit cost

Rs. Material cost $=3,767,680 \div 1,682$ 2,240 $=420,336 \div 1,668$ 252 Labour cost $=380,304 \div 1,668$ F.O.H cost 228

iii. Revised per unit cost of preceding dept.

(Due to lost units)

= 4,324,800 1,696

A worker takes 9 hours to complete a job in daily wages and 6 hours on a scheme of payment by results. His day rate is Rs. 7.50 per hour. Materials cost of the product is Rs. 400 and overheads are recovered at 150% of total direct wages. REQUIRED: Calculate factory cost of the product under:

- (1) Piece work plan
- (2) Hasley plan

Calculation of factory cost of the product.

	1	2
	Piece Work	Halsey
	Plan	Plan
	Rs.	Rs.
Direct Materials	400.00	400.00
Direct labour	67.50	56.25
Overheads (150% of direct labour)	101.25	84.37
Total factory cost	568.75	540.62

WORKING NOTES:

Calculation of direct labour cost under:

(w-1) Piece Work Plan:

The worker will get wages for 9 hours (i.e. the time allowed) irrespective of the time worked. Direct labour cost. $= Rs. 7.50 \times 9 \text{ hours} = Rs. 67.50$

(w-2)<u>Halsey plan:</u>

Regular	6 hours × Rs. 7.50	Rs. 45.00
Premium	$(3 \text{ hours} \times \text{Rs. } 7.50) \times 50\%$	11.25
Total wages		Rs. 56.25

Following figures are taken from annual budget of ABC manufacturers for the year

2013: Fixed factory overhead Rs. 400,000

Factory overhead absorption rate Rs. 70 per direct labour

hour Variable factory overhead rate Rs. 30 per direct labour

hour

Following are a few figures of actual results of the year 2013:

Capacity attained 110,000 hours

Factory overhead Rs. 8,000,000

REOUIRED:

- (a) Budgeted capacity that was used to compute factory overhead absorption rate.
- (b) Analysis of under or over absorbed factory overhead into volume and budget variances.

Solution

FOH absorption rate	Rs. 70
Variable FOH absorption rate	30
Fixed FOH absorption rate	<u>40</u>

(a) Budgeted capacity =
$$\frac{\textit{Fixed FOH}}{\textit{Fixed FOH absorption rate}}$$

$$=\frac{Rs. 4,000,000}{Rs. 40}$$

= 100,000 hrs

(b) **Under Over Applied F.O.H**

Applied FOH (110,000 × 70) Rs. 8,000,000 7,700,000

Under applied FOH 300,000

Budget variance:

Actual FOH Rs. 8,000,000

Budget FOH for capacity attained fixed:

Fixed Rs. 4,000,000

Variable (110,000 × 300) 3,300,000 7,300,000

(Unfavorable) 700,000

Volume Variance:

 Budgeted FOH
 Rs. 7,300,000

 Applied FOH
 7,700,000

Volume variance (Favorable) 400,000

FNS manufacturing company submits the following information on June 30, 2005.

Sales for the year	450,000
Raw material inventory, July 1, 2004	15,000
, , ,	ŕ
Finished goods inventory, July 1, 2004	70,000
Purchases	120,000
Direct labor	65,000
Power, heat and light	2,500
Indirect material purchased and consumed	4,5 00
Administrative expenses	21,000
Depreciation of plant	14,000
Selling expenses	25,000
Depreciation of building	7,000
Bad debts	1,5 00
Indirect labor	3,000
Other manufacturing expenses	10,000
Work in process, July 1, 2004	14,000
Work in process, June 30, 2005	19,000
Raw materials inventory, June 30, 2005	21,000
Finished goods inventory, June 30, 2005	60,000
Applied factory head rate is 20% of the prime cost	
Required	
4) 0 000 1 1 1 0 10 10 10	

- Cost Of Goods Manufactured Statement. 1)
- 2) Cost Of Goods Sold Statement at normal and at actual
- 3) Income statement.

SOLUTION:

FNS manufacturing company Cost of goods manufactured statement For the year ended June 30, 2005

Raw materials inventory, July 1 2004	15,000
Add: purchases of materials	120,000
Less: materials inventory, June 30, 2005	<u>(21,000)</u>
Cost of materials consumed	114,000
Add: direct labor	<u>65,000</u>
Prime cost/Direct cost	179,000
Factory overhead applied (179,000x20%)	<u>35,800</u>
Manufacturing cost/Factory cost	214,800
Add: Inventory of work in process, July 1, 2005	14,000

Less: Inventory of work in process, June 30, 2006 Cost of goods manufactured		(19,000) 209,800
2)		
2) FNS manufacturi	ng compa	nv
Cost of goods so	_	•
For the year ended		
·		
Cost of goods manufactured		209,800
Add: inventory of finished goods, July 1, 2004		70,000
Less: inventory of finished goods, June 30, 2005		<u>(60,000)</u>
Cost of goods sold at normal		219,800
Less: over-applied factory overhead (working)		<u>1,800</u>
Cost of goods sold at actual	_	218,000
3)		
FNS manufacturing		T
Income sta		006
For the year ended	June 30, 2	000
Sales		450,000
Less: cost of goods sold		(218,000)
Gross profit		232,000
Less: operating expenses		,
Bad debts	1,500	
Depreciation of building	7,000	
Selling expenses	25,000	
Administrative expenses	<u>21,000</u>	(54,500)
Net profit		177,500
•		
Working	• = 000	
Applied factory overhead cost	35,800	
Actual factory overheads	2 500	
Power, heat and light	2,500	
Indirect material purchased and consumed	4,500	
Depreciation of plant	14,000	
Indirect Labor	3,000	24.000
Other manufacturing expenses	<u>10,000</u>	<u>34,000</u>
Over-applied factory overhead		<u> 1,800</u>

The information relating to cost department of BETA Corporation is as follows

<u>Inventory</u>	<u>Jan 1</u>	<u>Dec 31</u>
Material	34,000	49,000
Work in process	82,000	42,000
Finish goods	48,000	;
Finish goods inventory	Jan 1	300 units
	Dec 31	420 units
Sold during the year	3,380 units at F	Rs. 220 per unit.
		Rupees
Material Purchased		360,000
Conversion cost		214,400
Freight In		8,600
Purchase discount		8,000
Opening material inventory		34,000
Closing material inventory		49,000

Prepare Cost of Goods Sold Statement from the above information

Solution

Solution		D
Direct material opening inventory		Rupees 34,000
Add Net purchases		2.,000
Material Purchased	360,000	
Add Freight Inward	8,600	
Less Purchase discount		
Less Purchase discount	<u>8,000</u>	260,600
36 11 711 6		<u>360,600</u>
Material available for use		394,600
Less raw material closing stock		<u>49,000</u>
Direct Material consumed		345,600
Add Conversion cost		<u>214,400</u>
Total factory cost		560,000
Add Opening Work in process inventory		<u>82,000</u>
Cost of goods to be manufactured		642,000
Less Closing Work in process		42,000
Cost of goods manufactured		600,000
Cost of Goods Sold		
Cost of goods manufactured		600,000
Add Opening finished goods inventory		<u>48,000</u>
Cost of goods to be sold		648,000
e e e e e e e e e e e e e e e e e e e		· ·
Less Closing finish goods (working)		<u>63,000</u>
Cost of goods sold		<u>585,000</u>
(working)		

	Units sold	3,880
Add	Units closing finished goods inventory	300
Less	Units opening finished goods inventory	_420
	Units manufactured	4,000

This can also be understood through the following algebraic manner:

Opening finished goods units +
$$Units\ produced$$
 - Closing finished goods units = $Units\ sold\ 300 + X - 420 = 3880$

Units produced = Units sold + Closing finished goods units - Opening finished goods units
$$X = 3,880 + 420 - 300 = 4,000$$

Number of units manufactured

 $= 600,000 \over 4,000$

= 150

Value of Closing Finish Goods Inventory

Closing finish goods = Closing finish goods units X Cost Per unit

$$= 420 \text{ x} \quad 150$$

= **63,000**

From the following information calculate the Maximum stock level, Minimum stock level, Re-ordering level and Danger stock level;-

(a) Average consumption
330 units per day
(b) Maximum consumption
420 units per day
(c) Minimum consumption
240 units per day
(d) Re-order quantity
3,600 units
(e) Re-order period
10 to 15 days

(f) Emergency Re-order period 12 days

Solution:

Re-ordering level:

Maximum consumption x Lead Time [maximum]

420x15 6,300 units.

Maximum stock level:

Reorder level – (Minimum consumption x Lead time [minimum]) + EOQ

 $6,300 - (240 \times 10) + 3,600$ 7,500 units

Minimum stock level:

Reorder level – (Average consumption x lead time [Average])

Average lead time $= \frac{Maximum + Minimum}{2} = \frac{15+10}{2} = 12.5$ 6,300 - 330 x 12.5 2,175 units

Danger stock level:

Average consumption x Emergency lead time

330 x 12 3,960 units

Question.10

A & Co manufactured 500 ceiling fans to fill an order by incurring:

Direct material	Rs.	150,000
Direct labor cost		100,000
F.O.H (60% of labor cost)		60,000
Total production cost		310,000

Some of the work was found defective, to make good such loss, following cost was incurred:

Rework cost on defective work

 Material
 Rs. 10,000

 Labor
 30,000

 F.O.H (60% of Labor cost)
 18,000

Required: Pass accounting entries to record the cost incurred along with the adjusting entry

for re-work cost, treating the loss as:

a) Normalb) Abnormal

Solution

a) Normal loss

Work in process A/C	310,000

 Material
 150,000

 Payroll
 100,000

 F.O.H applied
 60,000

FOH – Control A/C 58,000

 Material
 10,000

 Payroll
 30,000

 F.O.H applied
 18,000

Finished goods A/C 310,000

Work in process A/C 310,000

Cost per unit = 310,000/500 = Rs. 620 per unit

b) Abnormal loss

Work in process A/C 310,000

 Material
 150,000

 Payroll
 100,000

 F.O.H applied
 60,000

Work in process A/C 58,000

 Material
 10,000

 Payroll
 30,000

 F.O.H applied
 18,000

Finished goods A/C 368,000

Work in process A/C 368,000

Cost per unit = 368,000/500 = Rs. 736 per unit

From the following particulars, calculate the earnings of workers under straight piece basis and Taylor's Differential Piece Rate Plan.

Standard Time per piece 20 minutes Normal rate per hour Rs. 0.90

In a 9 hour day;

A produces 25 units B produces 35 units

Differential to be applied 80% of piece rate below standard. 120% of piece rate at or above

standard.

Solution:

Standard production per hour 60 min/20 min = 3 units Standard production per day 3 units x 9 hours = 27 units Per Piece rate Rs. 0.90/3 units = Rs. 0.30

Efficiency of:

Worker "A" is less than 100% Worker "B" is more than 100%

Wages under Straight Piece Rate Basic:

Earnings of A

No. of units X Rate per unit $25 \times 0.30 = \text{Rs.} 7.50$

Earnings of B $30 \times 0.30 = \text{Rs.} 9.00$

Wages Taylor's differential piece rate basis:

Efficiency of A 92.25% Efficiency of B 111%

Low piece rate in case of A =80% of Rs. 0.30 =Rs. 0.24 High piece rate in case of B = 120% of Rs. 0.30 =Rs. 0.36

Earning of A $25 \times 0.24 = \text{Rs. } 6\text{-}00$ Earning of B $30 \times 0.36 = \text{Rs-}10.80$.

Shahzewaz Associates prepared following estimates for the year 2006. Fixed factory overhead

Variable factory overhead

Direct labor hours Actual results for the year 19xx were as follow:

Fixed factory overhead Rs. 450,000
Variable factory overhead Rs. 600,000
Direct labor hours 200,000

Required: Calculate

- (i) Total factory overhead variance.
- (ii) Capacity variance.
- (iii) Budget variance.

Solution:

(i) Total Factory Overhead Variance Actual factory overhead

Fixed FOH + Variable FOH

	Rs. 450.000 + Rs. 680,000	Rs. 1,130,000
	Absorbed factory overhead	
	Capacity attained x Absorption rate	
	220,000 hours x Rs. 5.25	1,155,000
	Over applied	25,000
(ii)	Capacity Variance	
	Absorbed factory overhead (220,000 x 5.25)	Rs. 1.155.000
	Budgeted factory overhead for capacity attained	
	Fixed factory overhead + (Capacity attained x Varia	able rate)
	(Rs. $450,000 + 220,000$ hours x Rs. 3)	1.110.000

(Rs. 450,000 + 220,000 hours x Rs. 3) 1,110,000 Favorable 45,000

(iii) Budget Variance

Budgeted factory overhead for capacity attained Rs. 1,110,000 Actual factory overhead 1,130,000 Unfavorable 20,000

Supporting Calculations

Absorption rate = (Rs 450.000 + Rs. 600,000)

200.000 direct labor hours

= Rs. 5.25 per direct labor hour

Variable rate = Rs. 600.000

2,00,0000 direct labor hours

= Rs. 3 per direct labor hour

Predetermined factory overhead absorption rate computed by AI-Nasr Associates Rs. 6 per machine hour. Budgeted factory overhead for activity level of 150.000 machine hours is Rs. 800,000 and for activity level of 100,000 machine hours it is Rs. 700,000. Actual factory overhead incurred during the year is Rs. 710,000 at an actual volume of 120,000 machine hours. Required:

- (i) Variable factory overhead absorption rate.
- (ii) Budgeted fixed factory overhead,
- (iii) Budgeted activity level on which the absorption rate is based
- (iv) Over or under absorbed factory overhead.
- (v) Volume variance
- (vi) Spending variance

Solution:

(i) Variable Factory Overhead Absorption Rate:

	Activity Level	Budgeted FOH
	(Machine Hours)	(Rs.)
High	150,000	800,000
Low	100,000	700.000
	50,000	100,000

For a change of 50,000 machine hour's m activity level there is a change of Rs, 100,000 in budgeted factory overhead. This change in budgeted factory overhead is due to variable factory overhead. Therefore,

Variable rate = Change in budgeted FOH

Change in activity level

Rs 100,000/50,000 machine hours

Rs. 2 per machine hour

(ii) Budgeted Fixed Factory Overhead:

Total FOH for 150,000 machine hours = Rs. 800.000
Budgeted variable FOH = 150,000 hrs Rs 2 = Rs. 300,000
Budgeted fixed FOH = Rs 800.000 less Rs. 300,000 = Rs. 500.000
OR
Total FOH for 100.000 machine hours = Rs 700.000
Budgeted variable FOH = 100.000 hrs x Rs. 2 = Rs 200.000
Budgeted fixed FOH = Rs, 700.000 less Rs. 200,000 = Rs. 500.000

(iii)Budgeted Activity Level

Budgeted activity level = Fixed FOH
Fixed rate

= Rs. 500.000/ (Rs. 6 less Rs. 2)
=125,000 machine hours

(iv) Over or under absorbed Factory Overhead:

Actual factory overhead	Rs. 710.000
Absorbed factory overhead	
Actual volume x FOH absorption rate	
120,000 hrs x Rs. 6	720.000
Over absorbed	10,000
(v) Volume Variance:	
Absorbed factory overhead	Rs. 720,000
Budgeted FOH for actual volume	
Fixed FOH + (Actual volume x Variable rate)	
Rs, 500.000 + (120.000 hrs, x Rs. 2)	740,000
Unfavorable	20,000
(vi) Spending Variance:	
Budgeted FOH for actual volume	Rs. 740,000
Actual factory overhead	710,000
Favorable	30,000

Question. No.14

Mini Soap Manufacturing unit completed and transferred out 600 soaps to department-11 at the end of the week. In department-11 450 soaps completed and transferred to finished goods. Units which were still in process 100 and 50 units lost (Normal). Units in process 100% with the reference of material and 60% with conversion cost.

Rs.

Cost received from preceding department		540
Following costs were incurred by department-II:		
Direct Material	150	
Direct Labor	112	
Factory overhead	168	<u>430</u>
		<u>970</u>

Required: Prepare cost of production report

Solution:

Cost of Production Report Department-II

	Departm	nent-II	
I-Quantity Schedule Units received previous	 		600
Units completed and			<u>000</u>
Finished goods	d transfer to	450	
Units still in process	2	100	
Units lost (Normal)		50	
Offics fost (INOTITIAL)		30	600
II Coat A agreeulate	din the Denautor out /	D	000
11-Cost Accumulate	d in the Department /	Process:	Rs.
Cost magaired from	nuacidina danautmant		Ks. 540
	preceding department		340
Cost added by depa Direct Material	IUIICIII-II.	150	
Direct Material Direct Labor		112	
			420
Factory overhead		168	<u>430</u>
III Calculation of E	curirral ant Huita Duadan	d.	970
	quivalent Units Produc		
(100% of completed	d units $+ \%$ of units in	process)	
II.:	J	100 — 550	
Dinast Matarial	department- $I = 450 +$	100 - 550 - 550	
Direct Material:	450+(100x100%) 450+(100x60%)	- 550 - 510	
Direct Labor :	450+(100x60%)	= 510	
F.O.H :	450+(100x60%)	= 510	
W. H. '. O.			
IV- Unit Cost:	5.40 / 550 0.0046		
Previous departmen	at = 540 / 550 = 0.9818	32	
D' . M . ' 1	450 / 550	0.070707	
Direct Material	150 / 550 =		
Direct Labor	112 / 510 =		
F.O.H	F.O.H $135 / 510 = \underline{0.32941}$		
		1.80357	
T7 A '			
	of the Accumulated Co	<u>st :</u>	
Transferred to finish	hed goods		
450	4.00055		0.4.0
450 x	1.80357		812
Work in process:			
Cost of preceding d	epartment		
(100 x 0.98182)		98	
Direct Material	(100 x 0.272727)	27	
Direct Labor	(60 x 0.21961)	13	
F.O.H	(60×0.32941)	20	
			<u>158</u>
			<u>970</u>

Transfer to Finished Goods

Cost of preceding department (450 x 0.98182)

Direct Material	(450 x 0.272727)	123	
Direct Labor	(450 x 0.21961)	99	
F.O.H	(450 x 0.32941)		<u>148</u>
			<u>812</u>

Mini Soap Manufactures Co. started to incurring cost in first department for 1000 soaps. At the end of the week 600 soaps were completed and 300 still in process . 100% of direct material had been incurred. But 75% conversion cost was yet incurred on the incomplete work. Remaining 100 units were abnormally lost (completed 100% material, 50% conversion cost)

Following in the detail of cost incurred:

Direct material Rs. 500

Direct labor 225
Factory Overhead 135
860

Required: Prepare cost of production report

Cost Of Production Report

Department-I

III-Calculation of Equivalent Units Produced:

Direct material: 600+(400x100%)+(100x100%) = 1000

Direct labor :600+(300x75%)+(100x50%) = 875

F.O.H : 600+(300x75%)+(100x50%) = 875

IV- Unit Cost:

Direct material:	500/1,000	= 0.50
Direct labor :	225/875	= 0.25714
F.O.H :	135/875	= 0.15428
		0.91142

V- Apportionment Of the Accumulated Cost to Finished Goods:

Cost of units transferred to the next department

600) X	0.91142	=	547
Closing W.I.P Inve	entory:			
Direct Material	300 x	0.50	= 150	
Direct Labor	300 x	75% x 0.25714	= 58	
E O II	• • •	EE0/ 0.45.400	2.4	

F.O.H $300 \times 75\% \times 0.15428 = 34$

Abnormal Loss

Direct Materia	$I = 100 \times 0.5$	= 50
Direct Labor	$= 50 \times 0.25714$	= 13
FOH	$= 50 \times 0.15428$	= 8

71 **860**