Class: Working Capital -Inventory

Mini Session 1: EOQ

ILLUSTRATION 1

Forecast Demand pa	400,000
Order cost	40
Holding cost	3.33

Forecast Demand pa	100,000
Order cost	10
Holding cost	0.83

F9 Financial Management

ILLUSTRATION 3

Forecast Demand pa
Order cost
Holding cost

20,000 2 0.17

Mini Session 2: EOQ (with Buffer Stock)

ILLUSTRATION 1

Forecast Demand pa	10000
Current Order amount	10%
Order cost	25
Holding cost	0.32
Buffer Inventory	312.5

Forecast Demand pa	100000
Current Order amount	8%
Order cost	250
Holding cost	3.2
Buffer Inventory	3125

F9 Financial Management

ILLUSTRATION 3

Forecast Demand pa	75000
Current Order amount	12%
Order cost	187.5
Holding cost	2.4
Buffer Inventory	2344

Exam Question

December 10 Q3a

Mini Session 3: EOQ (with Bulk Purchase Discount)

ILLUSTRATION 1	
Forecast Demand pa	400,000
Cost of Materials	80
Order cost	40
Holding cost	3.33
Bulk Purchase Offer	
Bulk Purchase Level	10,000
Bulk Purchase Discount	1%
New Holding Cost	13.33

F9 Financial Management

Forecast Demand pa	100,000
Cost of Materials	20
Order cost	10
Holding cost	0.83
Bulk Purchase Offer	
Bulk Purchase Level	10,000
Bulk Purchase Discount	0.01
New Holding Cost	3.33

Forecast Demand pa	90,000
Cost of Materials	18
Order cost	9
Holding cost	0.75
Bulk Purchase Offer	
Bulk Purchase Level	10,000
Bulk Purchase Discount	1%
New Holding Cost	3.00

Exam Question

June 08 Q3d ii

Class: Working Capital -Receivables

Mini Session 1: Receivables (with Early Settlement Discount)

Annual Sales Revenue	6,000,000
Credit days offered	30
Actual credit taken	40
Contribution to Sales ratio	60%
Overdraft	7%
Early Settlement discount	1.5%
If pay within (days)	15
Increased Sales	5%
Increased Costs (as % of turnover)	0.5%
Amount taking the discount	30%
Remainder actual credit days	60

Annual Sales Revenue	12,000,000
Credit days offered	40
Actual credit taken	50
Contribution to Sales ratio	40%
Overdraft	10%
Early Settlement discount	1%
If pay within (days)	10
Increased Sales	5%
Increased Costs (as % of turnover)	1%
Amount taking the discount	40%
Remainder actual credit days	70

Annual Sales Revenue	4,000,000
Credit days offered	20
Actual credit taken	30
Contribution to Sales ratio	50%
Overdraft	10%
Early Settlement discount	2%
If pay within (days)	10
Increased Sales	4%
Increased Costs (as % of turnover)	1.5%
Amount taking the discount	40%
Remainder actual credit days	50

Exam Question

December 12 - 2a Pilot 2007 - 3a December 10 - 3c

Mini Session 2: Receivables (with Factor - non-recourse)

Current Position	
Sales	100,000
Receivables	10,000
Overdraft	8%
Factor Offer	
Annual fee (of credit sales)	1%
Receivables days under factor	10
Admin Savings	80
Bad debts savings	100
Advance (% of trade receivables)	80%
Advance fee	9%

Current Position	
Sales	400,000
Receivables	50,000
Overdraft	7%
Factor Offer	
Annual fee (of credit sales)	0.5%
Receivables days under factor	20
Admin Savings	100
Bad debts savings	100
Advance (% of trade receivables)	80%
Advance fee	8%

Current Position	
Sales	360,000
Receivables	30,000
Overdraft	7%
Factor Offer	
Annual fee (of credit sales)	0.5%
Receivables days under factor	15
Admin Savings	100
Bad debts savings	200
Advance (% of trade receivables)	75%
Advance fee	8%

Mini Session 3: Receivables (with Factor - with-recourse)

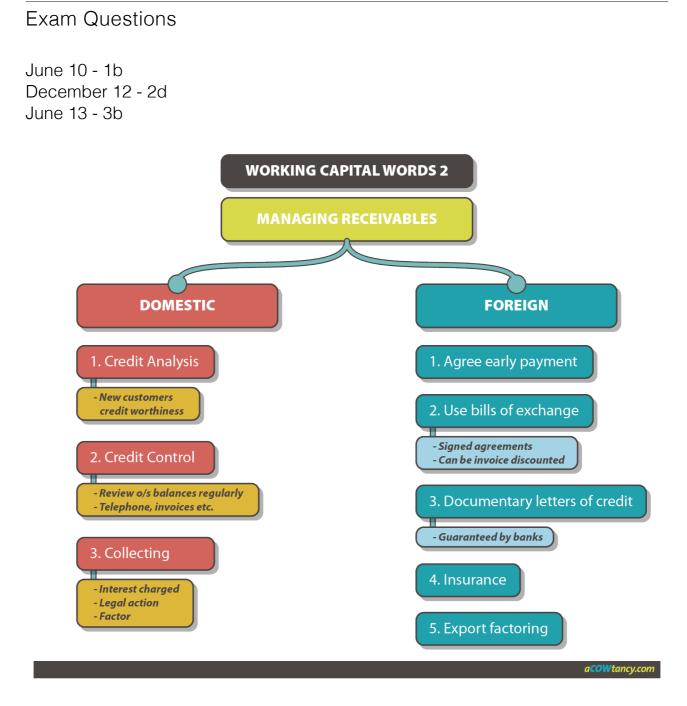
Current Position	
Sales	36,000
Receivables	4,000
Bad debts (% of turnover)	1%
Overdraft	6%
Factor Offer	
Annual fee (of credit sales)	1%
Receivables days under factor	20
Admin Savings	35
Bad debts (% of turnover)	0.5%
Advance (% of trade receivables)	80%
Advance fee	7%

Current Position	
Sales	100,000
Receivables	10,000
Bad debts (% of turnover)	1%
Overdraft	8%
Factor Offer	
Annual fee (of credit sales)	0.5%
Receivables days under factor	20
Admin Savings	35
Bad debts (% of turnover)	1%
Advance (% of trade receivables)	80%
Advance fee	9%

Exam Question

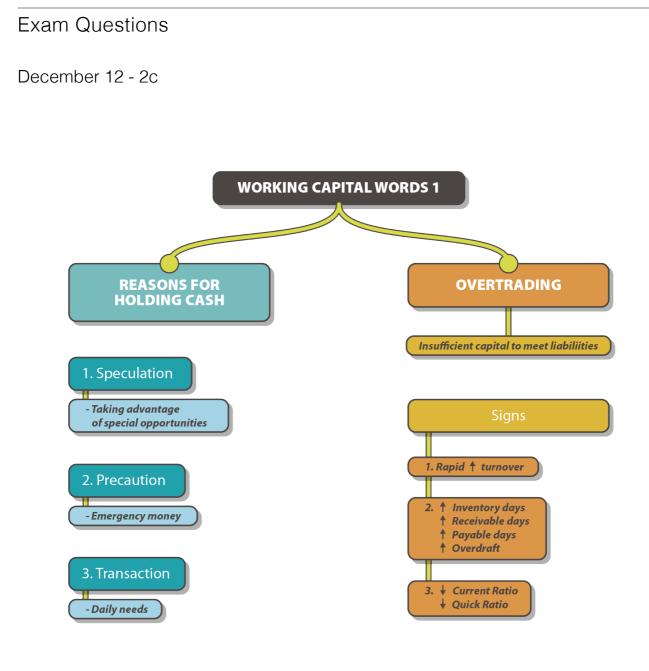
December 11 - 2c December 08 - 2c

Mini Session 4: Managing Receivables



Class: Working Capital - Cash

Mini Session 1: Reasons for Holding Cash & Overtrading



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Class: Working Capital - Cash

Mini Session 2: Baumol Model

ILLUSTRATION 1

Annual transactions	240,000
Switching cost	30
Bank Deposit Account	5%

ILLUSTRATION 2

Annual transactions	100,000
Switching cost	12.5
Bank Deposit Account	2%

Annual transactions	180,000
Selling shares cost	22.5
Investment return	4%

CLASS: WORKING CAPITAL - CASH

Mini Session 3: Miller-Orr Model

ILLUSTRATION 1

Minimum cash balance	\$4,000
Cost of depositing / selling investments	\$12
Standard Deviation	\$600
Interest rate on Investments	6%

Minimum cash balance	\$10,000
Cost of depositing / selling investments	\$20
Standard Deviation	\$800
Interest rate on Investments	4%

Minimum cash balance	\$8,000
Cost of depositing / selling investments	\$24
Standard Deviation	\$900
Interest rate on Investments	7%

Exam Questions

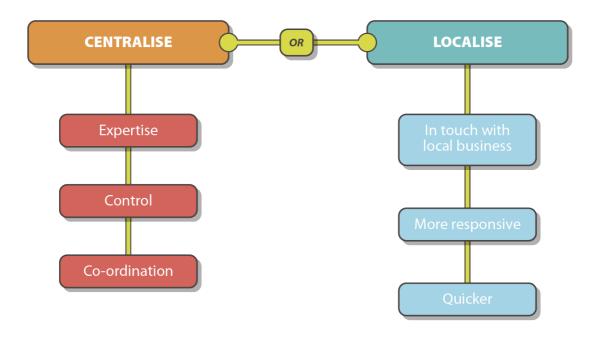
June 12 - 2c Pilot 2007 - 3b

CLASS: WORKING CAPITAL - CASH

Mini Session 4: Treasury Management

WORKING CAPITAL WORDS 3

TREASURY MANAGEMENT



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Class: Working Capital - Cash Mini Session 5: Forecasting

Non current Assets			100,000
Inventory	16,667		
Receivables	<u>17,921</u>	34,588	
Overdraft	7,758		
Payables	<u>20,833</u>	28,591	
Cashflow forecast	Month 1	Month 2	Month 3
Cash operating receipts	5,000	5,150	4,508
Cash operating payments	4,682	4,854	4,440
6m interest on traded bonds		237	
Capital investment			2,368
Further Info			
Credit Sales	100,634		
Cost of sales	76,035		
Overdraft limit	8,169		
Overdraft rate (%)	12.60		
PROPOSAL			
Reduce receivable days to	53		
This would take 6 months (equal reduction per month)			
Inventory days reduction per month (days)	2		

Calculate the bank balance:

1) In three months' time if no action is taken; and

2) If proposals are implemented.

Exam Questions

June 09 - 3b

Class: Working Capital -Payables

Mini Session 1: Payables with early settlement discounts

ILLUSTRATION 1	
Annual Payments	1,000,000
Credit days offered	30
Overdraft	10%
Early Settlement discount	2%
If pay within (days)	10
ILLUSTRATION 2	
Annual Payments	460,000
Credit days offered	40
Overdraft	10%
Early Settlement discount	1.5%
If pay within (days)	10

Class: Investment Appraisal

Mini Session 1: ROCE / ARR

Cost of Investment	1,000,000			
Scrap Value	120,000			
UEL of Project (Years)	4			
Year	1	2	3	4
Units sold	30	36	45	40
Selling Price	12598			
Variable Cost	5039			
Selling Price inflation	5%			
Variable cost inflation	4%			
Fixed Costs (annual)	1386			
Fixed costs inflation	5%			
Discount rate	10%			

F9 Financial Management

Cost of Investment	500,000			
Scrap Value	60,000			
UEL of Project (Years)	4			
Year	1	2	3	4
Units sold	20	24	30	27
Selling Price	9449			
Variable Cost	3779			
Selling Price inflation	2%			
Variable cost inflation	3%			
Fixed Costs (annual)	1039			
Fixed costs inflation	4%			
Discount rate	10%			

Mini Session 2: Payback

ILLUSTRATION 1

Investment	10000			
Year	1	2	3	4
Money in	2500	3000	9000	3600

Investment	8000			
Year	1	2	3	4
Money in	2000	2200	6600	2640

Mini Session 3: NPV (Capital Allowance working)

ILLUSTRATION 1

Cost	25000	
Scrap Value	5000	
Reducing balance	25%	
Year of disposal	4	
Tax rate	30%	

Cost	100,000	
Scrap Value	16,000	
Reducing	25%	
balance		
Year of	4	
disposal		
Tax rate	20%	

F9 Financial Management

ILLUSTRATION 3

Cost	80,000	
Scrap Value	20,000	
Reducing	20%	
balance		
Year of	4	
disposal		
Tax rate	20%	

Exam Questions

June 12 - 1a June 13 - 1a Specimen Paper MCQ 4