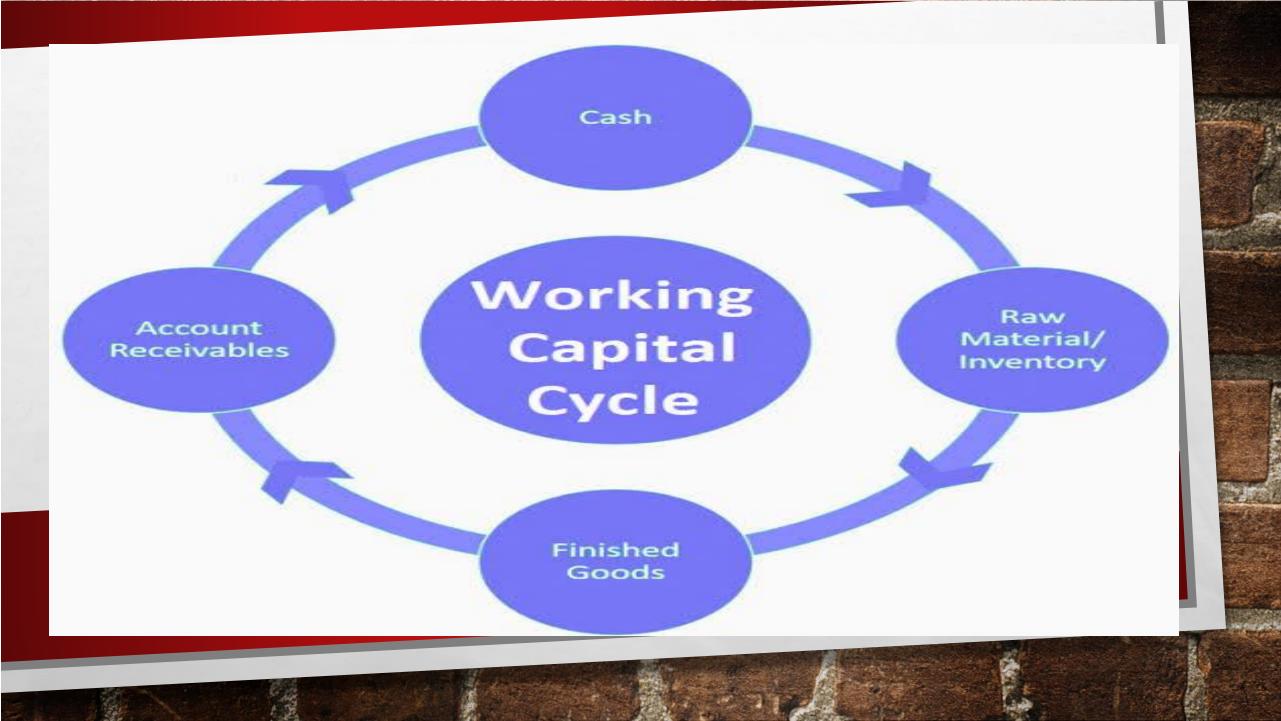
FINANCIAL MANAGEMENT

- -NAME OF THE CHAPTER: WORKING CAPITAL MANAGEMENT(THEORY)
- -SEMESTER: SIXTH
- -PREPARED BY: PARICHITA BASU



WORKING CAPITAL MANAGEMENT

Working capital management is an important financial term. It revolves around two major financial components, namely the current assets and current liabilities. These two components make up the working capital of a business.

Working capital management deals with the managerial accounting strategies that monitor the current assets and liabilities. This is essential for a business to maintain an efficient operation of the company. An effective working capital management ensures that the business always has a sufficient cash flow to support its short-term operating costs and debt obligations.



Definition of Working Capital

Working Capital refers to that part of the firm's capital, which is required for financing short-term or current assets such a cash marketable securities, debtors and inventories. Funds thus, invested in current assets keep revolving fast and are constantly converted into cash and this cash flow out again in exchange for other current assets. Working Capital is also known as revolving or circulating capital or short-term capital.

Objectives



- Understand working capital management, net working capital, and the related trade-off between profitability and risk.
- Describe the cash conversion cycle, its funding requirements, and the key strategies for managing it.
- Discuss inventory management: differing views and common techniques
 - Explain the credit selection process and the quantitative procedure for evaluating changes in credit standards.
- Review the considerations for changes to the cash discount and other aspects of credit terms, including credit monitoring.

Nature Of Working Capital

- Working capital management is concerned with the problems that arise in attempting to manage the current assets, the current liabilities and the interrelations that exist between them.
- Current assets refer to those assets which in the ordinary course of business can be, or will be, converted into cash within one year without undergoing a diminution in value and without disrupting the operations of the firm.

Examples- cash, marketable securities, accounts receivable and inventory.

Current liabilities are those liabilities which are intended, at their inception, to be paid in the ordinary course of business, within a year, out of the current assets or the earnings of the concern.

Examples- accounts payable, bills payable, bank overdraft and outstanding expenses.

Scope of Working Capita

- A. Cover all expenditure
- B. Keep business going
- C. Generate operating profit

Importance of Working Capital Management

- Improves liquidity and Solvency Position
- Ensures Uninterrupted Business
 Operations
- Increase Profitability and Productivity
- Enhance Goodwill
- Improves Creditworthiness
- Timely Payment of Dividends
- Helps in Facing Contingencies

Factors determining WC

- Nature of industry
- Demand of industry
- Cash requirements
- Nature of business
- Manufacturing time
- Volume of sales
- Terms of purchase and sales
- Inventory turnover
- Receivable turnover
- Production schedule

Advantages of Adequate Working Capital

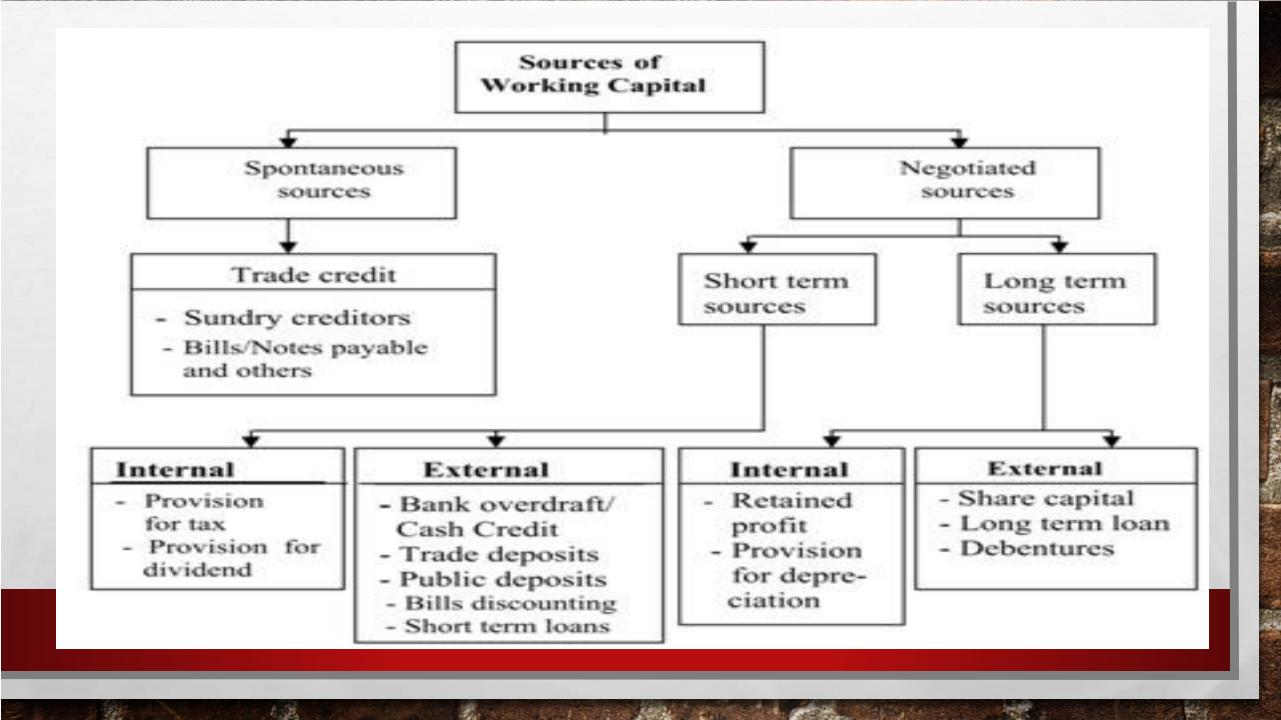
- 1. Solvency of the business
- Good will
- 3. Easy loans
- 4. Cash discounts
- Regular supply of raw materials
- Regular payment of salaries, wages and other day-to-day commitments
- Exploitation of favorable market condition => usage
- 8. Ability to face crisis
- 9. Quick and regular return on investment
- 10. High morale

Disadvantages of Excessive Working Capital

- It leads to idle funds
- 2. It lead to unnecessary purchasing and accumulation of stock
- It implies excessive debtors and defective credit policy
- 4. It result in overall inefficiency in the organization
- The value of shares may fall
- It rise speculative transactions.

Disadvantages of inadequate Working Capital

- Unable to adopt changes
- Trade discount are lost
- Cash discounts are lost
- Financial reputation is lost
- Insolvency



SOURCES OF WORKING CAPITAL

SPONTANEOUS SOURCES

SHORT TERM SOURCES LONG TERM SOURCES

Trade Creditors

Sundry Creditors

Bills Payable Notes Payable

第一个一个工艺工艺、新疆·

Accrued expenses

Internal
Sources Tax
Provision,
Dividend
Provision

External
Sources Bank OD,
Trade and
Public
Deposits,
Bill
Discounti
ng

Internal
Sources Retained
Profits,
Depreciati
on
Provision

External Sources -Share Capital, Long Term Loan

EXTERNAL SOURCES OF FINANCE

	Equity Shares	A key feature of equity share is the 'sharing of ownership rights'. The return is in the form of a dividend or bonus shares.
×	Debentures	Debt is considered to be the cheaper mode of finance compared to equity. It does not share control with investors.
TER	Term Loan	It is given by some bank or financial institutions. These loans are also secured by some assets.
LONG TERM	Preferred Stock	The characteristics of both common equity stocks and debt. they have got priority over common equity shares in terms of payment.
27	Venture Capital	They normally invest in a new company at an initial stage and do a rigorous analysis of a company before investing.
	Leasing / HP	Can help businesses delay its cash payment which is equal to having its goods financed
SHORT	Bank Overdraft	Businesses need money for their day to day requirement which arises due to a time gap between their collections and payments.
	Trade Credit	The credit given to a business by their creditors/ suppliers. The credit given to a business by their creditors/ suppliers
Z I	Debt Factoring	An arrangement whereby the business sells its account receivables / debtors at a discount.

TYPES OF WORKING CAPITAL



TYPES OF WORKING CAPITAL

GROSS WORKING CAPITAL The current assets of the company's balance sheet represents the Gross Working Capital of the company

NET WORKING CAPITAL

- Net working capital is called simply as working capital
- It is calculated as Current Assets Current Liabilities

PERMANENT / FIXED
WORKING CAPITAL

 It is the level below which the net working capital has never gone. It is further divided into Regular WC and Reverse WC.

TEMPORARY / VARIABLE WORKING CAPITAL

- Net working capital Permanent Working Capital
- It is further divided into Seasonal Working Capital and Special Working Capital

WORKING CAPITAL CYCLE

WORKING CAPITAL CYCLE (calculated in days) refers to the time taken by an organization to convert its net current assets and current liabilities into cash. The shorter the working capital cycle, the faster the company is able to free up its cash stuck in working capital and vice versa. The 4 key elements of WCC are cash, receivables (debtors), payables (creditors) and inventory (stock).

WORKING CAPITAL CYCLE = INVENTORY TURNOVER DAYS + DEBTORS TURNOVER (IN DAYS) - CREDITOR'S TURNOVER

SHORTENING OF WCC

- 1. Reducing the credit period given to customers
- 2. Increase sales to reduce time taken to convert inventory into sales
- 3. Increase credit period from supplier of the raw materials.

SOURCES OF SHORT TERM WC FINANCING

- Line of Credit
- . Trade Credit

- 3. Factoring
- 4. Short Term Loans

DAYS OF WORKING CAPITAL are is a very important performance indicator of efficient working capital management. Days working capital expresses how much of net operating working capital is invested for achieving one dollar of daily sales OR how many days a company takes to convert its working capital into revenue.

Days of Working Capital Formula (Operating CA- Operating CL) *365

Annual Sales

CALCULATIONS WITH EXAMPLE

WHY IS IT
IMPORTANT?

ANALYSIS TOOL BY INVESTORS

2 WAY INTERPRETATIONS

'DAYS TO CONVERT A \$ OF WC INTO SALES' 'DOLLARS OF WC INVESTED PER DOLLAR OF DAILY SALES"

WORKING CAPITAL FORMULA

Working Capital = Current Assets — Current Liabilities

WORKING CAPITAL (CURRENT) RATIO

Current Ratio = Current Assets
Current Liabilities



Example of Gross and Net Working Capital:

Example of Gross and Iver Troining.

Consider the following assets and liabilities — Land and Building ₹12,00,000; Plant & Equipment ₹7,0000 Stock of raw materials ₹1,30,000; Stock of Semi-finished goods (WIP) ₹9000 Consider the following assets and naturales – Land and Stock of Semi-finished goods (WIP) ₹90,000; Investments ₹60,000; Stock of raw materials ₹1,30,000; Stock of Semi-finished goods (WIP) ₹90,000; Investments ₹60,000; Stock of raw materials ₹1,30,000; Stock of Semi-finished goods (WIP) ₹90,000; Investments ₹60,000; Stock of Semi-finished goods (WIP) ₹90,000; Stock of Se Investments ₹60,000; Stock of raw materials (1,50,000; Receivables (Debtors and Bills Receivable together) ₹1,40,000; Payables (Creditors and Bills payable together) of Finished Goods ₹1,50,000, Accessages (December of Finished Goods ₹1,50,000, Accessages ₹20,000; 10% Debenture ₹2,00,000; Payables (Creditors and Bills payable together) ₹80,000.

Now, let us calculate Gross and Net Working Capital:

Current Assets:		
Raw materials	1,30,000	
WIP	90,000	
Finished goods	1,50,000	4
Receivables	1,40,000	
Prepaid expenses	20,000	
Cash & Bank	45,000	
Gross Working Capital		5,75,000
Less: Current Liabilities:		5,75,000
Payables	80,000	
Outstanding wages	25,000	
		1,05,000
Net Working Capital		4,70,000

4.4.3 Method of Calculating Above Conversion Period for a Firm

Raw Material Conversion Period: This represents the material holding period starting from acquisition of raw-material till it is seed on to the factor. passed on to the factory for processing, and may be calculated as

Work-in-Process Conversion Period:

ork-in-Process Conversion Period:

This represents the processing period or the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the time lag between raw-materials entering to the representation of the representation of the time lag between raw-materials entering to the representation of t ing in factory and conversion into finished goods; and may be calculated as

Finished Goods Conversion Period:

This represents the warehousing period of the finished goods or the time lag between one for cale and actual sale of the same and may be calculated as being ready for sale and actual sale of the same and may be calculated as

Debtors Conversion Period:

This represents the credit period allowed to debtors or the time lag between actual sale of some the debtors and may be calculated as and collection of the amount of sale from the debtors and may be calculated as

Creditors Deferral Period:

This represents the credit period allowed by the suppliers of goods or the time lag between the acquisition of raw-materials and actual payment to suppliers for the same; and may be calculated a

Now, Inventory Conversion Period (ICP) = RMCP + WIPCP + FGCP Gross Working Capital Cycle (GWCC) = ICP + DCP Net Working Capital Cycle (NWCC) = GWCC - CDP

Note: If we do not consider non-cash expenses like depreciation, etc., Net Working Capital Cyta (NWCC) truly represents the Cash Conversion Period.

Example of Calculation of Working Capital Cycle: Following data are available in relation to a trading concern:

> Stock of goods Opening ₹40,000 and Closing ₹50,000 Debtors Opening ₹65,000 and Closing ₹85,000 Creditors Opening ₹50,000 and Closing ₹60,000 Sales during the year ₹6,00,000 (GP rate is 20%)

and the second		Annual	Per Day	
Sales (₹)		6,00,000	1,644	(A1)
Cost of goods sold				
(6,00,000 × 80%)	4,80,000	4,80,000	1,315	(A2)
Add: Closing stock	50,000			
** **	5,30,000			
Less: Opening stock	40,000			
Purchase (₹)	· 7	4,90,000	1,342	(A3)
1 1 1 1 1 1 1	,	П	e et 19	
Average Debtors (₹)	· ·			
(65,000 + 85,000)/2	75,000	(B1)	41 -	(m)
Average Stock (₹)	45,000	(B2)		2
Average Creditors (₹)	55,000	(B3)		
Working Capital Cycle:	12			
Inventory Conversion Period	(B2/A2)	34	days	
Debtors Conversion Period	(B1/A1)	46	days	
Gross Working Capital Cycle		80		
Less: Creditors Deferral Period	(B3/A3)	41	days	
Net Working Capital Cycle		39	days	

the following information is provided by X Ltd. for the year ending 31.3.20xx

	Raw material storage period	31.3.20XX
	WIP conversion period	45 days
	Finished goods storage period	18 days
	Debt collection period	22 days
	Creditors payment period	30 days
2	Annual cash cost of operation	55 days
	(1 year = 360 days)	₹18 lakhs
	2011	

Calculate:

a) Operating cycle period

b) Number of operating cycle in a year

[C.U. B.Com(H), 2018]

Using the above information, calculate the approximate amount of working capital required.

Solution

- a) Operating cycle period = Inventory conversion period + Debtors conversion period -Creditors deferral period = (45 + 18 + 22) + 30 - 55 = 60 days.
- b) Number of operating cycle in a year = Days in a year/Operating cycle in days = 360/60 = 6 times
- Approximate amount of working capital requirement = Annual cash operating cost x Operating cycle period/360 = $18,00,000 \times 60/360 = ₹3,00,000$

B Ltd. supplied you the following information.

	₹
Sales (at 2 months credit)	36,00,000
Materials consumed (suppliers extend 2 months credit)	9,00,000
Wages paid (lag in payment 1 month)	7,20,000
Manufacturing expenses outstanding at the end of the year (lag in payment 1 month)	80,000
Total administrative expenses paid (lag in payment – 1 month)	2,40,000
Sales promotion expenses (paid quarterly in advance)	1,20,000

The company sells products at a gross profit of 25% counting depreciation as part of the cost of production. It keeps one month's stock of each of raw materials and finished goods and a cash balance of \$1,00,000.

182

Assuming 20% safety margin, work out the working capital requirement of the company on the low basis. Ignore work-in-progress. cost basis. Ignore work-in-progress.

Solution

	The second secon			200
Detailed cost	statement for the year			
			Annual	1
Materials consumed				Per
Wages			9,00,000	1000
Cash manufacturing expenses [80,00	00 × 12]	100	7,20,000	75,000
(outstanding represents only the cash p	art)		9,60,000	60,000
Cash production cost				0000
Administration expenses		¹ .j	25,80,00C	
Sales promotion expenses	1		2,40,000	215,00
Total cash cost			1,20,000	20,000
	P 4		29,40,000	10,000
Statement showing working capital	roquiromans (F)		1.0,000	71200

	Statement showing working capital	requirement (₹):
Ì		

Current Assets:	Block period (month) (a)	Amount blocked per month (b)	Amount
		(0)	arb
Raw materials	1 -		7.50
Finished goods	Ţ ;	75,000	75,000
Debtors (at cost)	1	2,15,000	1,000
Advance sales promotion expenses	2	2,45,000	2,15,000
outes promotion expenses	3	10,000	4,90,000
Total (A)	10,000	30,000
Current Liabilities:			8,10,000
Creditors	_		
Outstanding wages	2	75,000	1,50,000
Outstanding manufacturing expenses	1,	60,000	60,000
Outstanding admir.	1	80,000	80,000
Outstanding administration expenses	1	20,000	20,000
Working and the Total (B)		3,10,000
Troining capital requirement over the	. R\		5,00,000
- Cusii	D)	1	1,00,000
Cash cost of working capital including cash			6,00,000
Add: Safety margin (20% of 6,00,000)			1,20,000
6-11 (2010 01 0,00,000)			7,20,000

cosmos Ltd. sells its production on a gross profit of 20% on sales. The following information is cosmos Ltd.

Josmos Ltd.

Josmo

Sales at 3 months credit	7
Raw materials	40,00,000
Wages paid - average time lag 15 days	12,00,000
Manufacturing expenses paid-1 month in arrears	9,60,000
Administration expenses paid-1 month in arrears	12,00,000
	4,20,000
Sales promotion expenses-payable half-yearly in advance	2,00,000

The company enjoys 1 month's credit from the suppliers of raw materials and maintains a 2 month's tock of raw materials and $1\frac{1}{2}$ month's stock of finished goods. Processing time is 1 month. The cash palance is maintained at ₹1,00,000 as precautionary measures. Assuming 10% margin, find out the working capital requirement of Cosmos Ltd.

[C.U.B.Com (H), 2014-modified]

Solution

Detailed cost statement for the year (₹)	Annual	Per month
Materials consumed	12,00,000	1,00,000
	9,60,000	80,000
Wages	12,00,000	1,00,000
Cash manufacturing expenses	33,60,000	2,80,000
Cash production cost		40,000
Administration expenses	4,80,000	
	2,00,000	16,667
Sales promotion expenses	40,40,000	3,36,667
Total cash cost		

Note: If we calculate the cost structure using GP rate, the cost of production will be ₹32,00,000 which is less than cash production cost as per our calculation. The question has some fallacy.

Statement showing working capital requiremen	ıt (₹):	l descripale	Amount axb
	Block period (month) (a)	Amount blocked per week (b)	
Current Assets: Raw materials WIP Imaterial + half of wages & mfg exps	2	1,00,000 1,00,000 + 1/2(1,80,000)	2,00,000 1,90,000 (Continued)

Finished goods Debtors lat cost) Advance sales promotion expenses Total (A)	1.5 3 6	2,80,000 3,36,667 16,667	4.20,000 10,10,000
Current Liabilities: Creditors Outstanding wages Outstanding manufacturing expenses Outstanding administration expenses Total (B)	1 1/2 1 1	1,00,000 80,000 1,00,000 40,000	1,00,000 19,20,000 1,00,000 40,000 40,000
Working capital requirement excluding cash (A – B Add: Expected cash Cash cost of working capital including cash Add: Safety margin (10% of 17,40,000)			2,80,000 16,40,000 1,00,000 17,40,000 1,74,000 19,14,000

Finished goods	1.5	2,80,000	
Debtors [at cost]	3	3,36,667	4.20mn
Advance sales promotion expenses	6	16,667	10.10,00
Total (A)			19.20m
Current Liabilities:	2	1.00.000	23000
Creditors	1	1,00,000	1,00,000
Outstanding wages	1/2	000,08	40.00
Outstanding manufacturing expenses	1	1,00,000	1,00,000
Outstanding administration expenses	1	40,000	40,000
Total (B)			2,80,000
Working capital requirement excluding cash (A -	B)		16,40,000
Add: Expected cash			1,00,000
Cash cost of working capital including cash			17,40,000
Add: Safety margin (10% of 17,40,000)			1,74,000
			19,14,000

Example 16

Determine the working capital requirement from the following particulars: Annual budget figures for (₹ In lakhs):

Raw Materials	480
Direct wages	240
Overheads	180
	900
Sales	1,000

Additional information:

a) Average stock level of raw materials – 18 days

a) Average stock level.
b) Credit sales: 20 days credit is normal
c) Finished goods are held in stock for a period of 10 days before they are released for purchase. d) Process period is 12 days

Estimated cash and bank balance: 10% of total working capital

Assumptions:

(a) 1 year = 360 days
(b) Raw materials are introduced at the beginning of manufacturing process and overhead accrue evenly.

IC.U. B.Com On. Erg

Solution

Cost Block Per Day for Each Component: (₹)	Materials	WIP	
Materials - [4,80,000/360] Labour - [2,40,000/360] (50% for WIP) Overhead - [1,80,000/360] [50% for WIP]	1,333	1,333 333	1.
Overnead - [1,80,000/360] [50% for Wir]	1,333	250 1,917	2

Block period (days) (a)	Amount blocked per week (b)	Amon
		-
18	1,333	24,000
12	1,917	23,000
10	2,500	25,000
20	2,500	50,000
		1,22,000
30	1,333	40,000 40,000
	A Commence of the Commence of	82000
		1116
֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	(days) (a) 18 12 10 20	(days) (a) week (b) 18 1,333 12 1,917 10 2,500 20 2,500

partie the Working Capital requirement for the coming year from the following information of a partial company. Expected annual sales is 1,30,000 units of \$10. Dample 17 reignate the company. Expected annual sales is 1,30,000 units of ₹10 per unit. The anticipated partial of cost to selling price are as follows: Raw materials 50% and Direct wages 15%, Budgeted with of \$352,000 per annum including \$10,000 for depreciation. of cost to 000 per annum including ₹10,000 for depreciation. Planned stock will include rawthe ad is \$50,000 and 7,500 units of finished goods. Credit allowed to debtors is 4 weeks. Credit and to be received from suppliers is 3 weeks. Overhead and 500,000 and 500,000 units of finished goods. palerial for the received from suppliers is 3 weeks. Overhead and wages payment will be made of the after their incurrence. Material will stay in the process for 2 wages payment will be made weeks. Overhead and wages payment will be made the state of their incurrence. Material will stay in the process for 2 weeks. Cash in hand to be main-Threek after the last Working Capital. Assume that production is carried on evenly throughout the pined is 10% of total Working Capital. Assume that production is carried on evenly throughout the pined is 1000 Materials are introduced at the beginning of the process and wages and overhead accrue year, and during processing. menly during processing.

[C.U B.Com.(H), 2010]

solution

production and sales per week (units) =	(1,30,000/52) =			2,500
cost block per week for each compone	nt:	Materials	WIP	F.Goods
	2,500 × 5	12,500	12,500	12,500
Materials - Labour - [50% of 45,000 for WIP]	2,500 × 1.50		1,875	3,750
cash Overhead - [50% for WIP]	42,000/52		404	808
Cash Overhead	2500 20	12,500	14,779	17,058

Statement showing working capital requirement (₹):			
	Block period (weeks) (a)	Amount blocked per week (b)	Amount axb
Current Assets:	4	12,500	50,000
Raw materials [50,000(given)/12,500 = 4]	-~		200
Work in process (WIP)	2	14,779	29,558
Finished goods [7,500/2,500]	3	17,058	51,173
Debtors (at cost)	4	17,058	68,231
Total (A)			1,98,962
Current Liabilities:		12,500	37,500
Creditors	3		4,558
Outstanding wages & overhead	1	4,558	
Total (B)			42,058
			1,56,904
Working capital requirement excluding cash (A-B)			17,434
Add: Expected cash (2,24,750 × 10/90)			1,74,338
Cash cost of working capital			1,1

With the following information prepare a statement showing the Working Capital required to finish of activity of 10,400 units per annum:

- a) Selling price at the rate of ₹5 per unit.
- b) The expected ratios of cost to selling prices are as follows:
 - i. Raw material 40%
 - ff. Direct wages 10%
 - iii. Overheads, 30%
 - iv. Profit, 20%
- c) Raw materials are expected to remain in store for an average period of 2 months before being used for production, and materials are in process on an average period of 6 weeks,
- d) Finished goods will stay in store approximately for 6 weeks before dispatch to customers.
- f) Credit allowed by creditors is for a period of 2 months.
- g) Lag in payment of wages and overheads are for a period of 2 weeks.
- g) Lag in payment of wages and overheads accome similarly. Assume that production is carded the country and country accome similarly. Assume that production is carded the country and country accome similarly. Assume that the country and country accome similarly. Assume that the country are considered to the transfer accome similarly. Assume that the country are considered to the transfer accome similarly. on evenly during the year and wages and overheads accrue similarly. Assume 4 weeks

[C.U. B.Com (H), 2012]

Solution

Production and sales per week (units) = (10,400/52) =			200
Cost block per week for each component:	Materials	WIP	F.Goods
Materials - $(200 \times 5 \times 40\%)$	400	400	400
Labour - (200 × 5 × 10%) [50% of 45,000 for WIP]		50	100
Overhead - (200 × 5 × 30%) [50% for WIP]		150	300
	400	600	800

	Block period (weeks) (a)	Amount blocked per week (b)	Amoun
Current Assets:			
Raw materials	8	400	3,200
Work in process (WIP)	6	600	3,600
Finished goods	6	800	4,800
Debtors (at cost)	8	800	6,400

Current Liabilities: Creditors Outstanding wages & overhead	8 2	400 400	3,200 800
Total (B)			4,000
Marking capital requirement excluding cash (A - B) Add: Expected cash			14,000
Cash cost of working capital		<u> </u>	10,000
Cash cost of worlding capital			24,000

Example 19

A manufacturing company has a capacity to produce 60,000 units p.a. The cost structure at that capacity and selling price p.u. are given as follows:

Materials	₹5	
Labour	₹2	
Overhead	₹5	(60% variable; of the fixed overhead ₹30,000 represents depreciation)
	₹12	
Profit	₹3	
Selling Price	₹15	

The other details are -

- Raw material storage period 2 months; Processing time 1 month and Finished goods in store – 1 month.
- Debtors and creditors turnover are 6 and 12 times a year.
- Lag in payment of overhead is half month.

Assuming that the company will be able to utilise 80% of its capacity, estimate the working capital requirement on cash cost basis.

[C.U. B.Com(H), 2016]

Solution

10000 1000		
Expected annual production = 80% of 60,000 = 48,000 units; so, 4,000 p.m.		
Overhead cost break up:		_
Variable per unit (60% of ₹5)	1,20,000	3
Fixed part: Total (40% of 5) × 60,000	1,000	
[as p.u. is expressed for 60,000 units]	30,000	
Less: Depreciation	90,000	
Cash fixed overhead		1.875
Cash fixed overhead per unit = 90,000/48,000 =		4.875
		4.07.3

Cost block per month for each compe	onent (₹):	Materials	1000	
Materials - Labour - (50% of 45,000 for WIP) Cash Overhead - (50% for WIP)	4,000 × 5 4,000 × 2 4,000 × 4.875	20,000	20,000 4,000	F.G
		20,000	9,750 33,750	19
Statement showing working capital requirement (₹):		55,750	47
	Block period (weeks) (a)	Amount blo week	ocked per (b)	An
Current Assets:				
Raw materials	2	20,00	00	
Work in process (WIP)	1	33,75	50	4
Finished goods	1	47,50	00	3
Debtors (at cost) (12/6 = 2 months)	2	47,50	00	4
Total (A)				9
urrent Liabilities:				2,1
Creditors (12/12 = 1 month)	1	20,00	0	٦/
Outstanding overhead	1/2	19,50	o	2(
Total (B)	7.50			29
rking capital requirement (A – B)				1,80
h cost of working capital			Ì	1,86