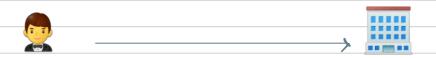


Accounting Ratio

Example



RP 317 Investment Armor 14d.

investment long term

investment

Technical Fundamental Analysis Analysis

CA FINOU. CA INTER

CAMEL AMILYSIS

c: capital.

A: Asset.

m: Management.

E : Earning

L: Liquidity.

for above analysis the





90+	Total					
30	100	Bad		A	В	
30	\$0	Grood	PAT	100,000	300,000	
30	30	Be3+	Inx+	500,000	100,00,000	
				₹0%	3%	



1. Introduction to Ratio;
1. It means relationship between any two amounts from Final Accounts.
(Trading, P&L and Balance sheet)
2. It is important technique used to analyse the trading , P&L and Balance Sheet.
3. It is widely used by banker's, brokers, investors, workers creditors etc.
4. Ratios can be expressed in 3 ways
a. % form (50%)
b. Rate form (10 times)
c. Pure form (1:2)
5. Ratios are calculated to compare
a. current year performance with last year.
b. company's performance with that of competitor.



1 Cument Datie /	Paulana Datio / w	aukina aanital Dati		
1. Current Ratio /	bankers Ratio / W	brking capital Ratio	<u> </u>	
Current Asset	<u> </u>			
Current Liabilit	ies 			
standard R	१वभागः २:1			
	(WOHO	ing corpitor		
	crea	, Hor	CA	/ RM: 1000
			Inventorres:	W1 P: 2000
Co	c t h	RM -		\ Fa: 3000
() +10	ab+04	Debtor: 4000
Del	blor	wrp		Cosh: 2000
	<	/		10,000
	seo Fa	+ 10b to	4 CL Cre	
	Admin			vc 9500
			,	
Porticulars	A	<u> </u>	С	
	190,000	110,000	70,000	
CA CI	100,000	100,000	100,000	
CR: (CA:CL)				_
(R: ((M.CZ)	1.9:1	14:1	O.7 : /	
المصيدة والمشاهدة			<u>, </u>	
Ligher duity	4000		Bad.	

2. Quick Ratio / Acid Test Rati	o / Liquid Ratio)	
Quick Assets	• •		
Current Liabilities —	:1		
Standard Ratio = 19			
Quick Asset: Current Assets	•	d Advance	
30310ck Turnover Rat	ia:		
COCK4			
Average stock.	?	+fme3	
* COCts = 30169-	Gross Profi	+	
* Average 3+ock =	•	•	
<u> </u>	२		
	Purnase		
	manager		
	•		
Juppher —	(Rm) STORE —	→ fagory	
	Arg	(2000)	
	2000	/2008	
ITR.	: 6+1mes	walehouse —	<u>customer</u>
	(Rno)	Axq.	(00-3
	ŕ	२०००	19000
			~
			6time
			(PG-)
b) Average period F	or which i	n ventomi is h	
= '		eeks/12 months	
	Ratio in	_	

4.0) Debtors Turnover Ratio	
Credit Sales	ines
Average Receivables	110) 63
b) Average conjection teniod:	Credit Persod
365/ 52/ 12	
Ratio in Times	
e Average Recervables	
opening + clósing	Credit , collection ferriod
2	Credit x collection feriod Sales 365/52/12
s.a) Creditors Turnoyer Ratio:	
credit Parchase	= Times
Average Payables	1 11)63
V	
b) Average payment Penio	d: /tredit Peniad
365/ 52-112	<u>s.</u> / C1(94)
Ratio in Time	
9 Average Payables:	
J	3
opening + closing	credit × credit Period
2 <u> </u>	Purhase $367/52/12$.
_	101(11000 301/3-/12:
f. fixed Ascal Turnstan	Pala.
6: nixed Asset Turnover Sales	
FA	
• •	



From the following ratios and information

Question 4. (Illustration 4)

From the following ratios and information given below, PREPARE Trading Account, Profit and Loss Account and Balance Sheet of Aebece Company:

ı	Fixed Assets	₹ 40,00,000
	Closing Stock	₹ 4,00,000
	Stock turnover ratio	10
·	Gross profit ratio	25 percent
J	Net profit ratio	20 percent
	Net profit to capital	1/5
	Capital to total liabilities	1/2
J	Fixed assets to capital	5/4
	Fixed assets/Total current assets	5/7

Solution:

(WN+): Capital

Fixed Asset 5 Capital 4

40,00,000 <u>5</u>

capital = 40,00,000 x 4 = 4. 3200,000

(WM-2): TOTAL CUTTENT ASSET

FIXED ASSET

70 tou current Asset 7

40,00,000 _ 5

TOTOU CUTTENT ASSET 7

: Total current Asset = 40,00,000 × 7 _ ₹ 5600,000

(WN-3): 70tal LODINITIES:

Copital

Total Crabilities

3200,000 <u>1</u>
Total Leabilities 2

: total Lobilities = 3200,000 × 2 = \$ 64,00,000

(WN-4): Net Profit:

(WN-5): 501es:

(DN-6): (093

50163	100		3२००,०००
- Gross Prof17	25	?	800,000
(00)	75	?	1400,000

(LDN-7): Average stock:

(WN-8): Opening stock:

Particulars Porticulars To Opening Stock (WN-8) To Purchase To Gross Profit (WN-6) Profit & Loss Account	32,00,000 400,000 36,0000
70 Pumnose 27,70,000 70 Gross Profit (WN-6) 800,000 By (10sing stock 36,00,000 Profit & Loss Account	400,000
70 Pumnose 27,70,000 70 Gross Profit (WN-6) 800,000 By (10sing stock 36,00,000 Profit & Loss Account	400,000
36,00,000 Profit & Loss Account	
Profit & Loss Account	3600,000
Particulars & Particulars	₹ .
To operating expenses 160,000 By Gross Profit	800,000
000,000 (b-NW) FHONE 1911 OT	
800,000	800,008
Baionce Sheet	
Equity & Liabilities. F Asset	₹
(apital (wn-1) 3200,000 Fixed Asset	40,00,000
Liobilities (WN-3) 64,00,000 <u>Current Assets</u> (W)	٧-2)
	S ₂ 000
other current has ex 620	
9600,000	9600,000

X Co. has made plans for the next

Question 3. (Illustration 3)

X Co. has made plans for the next year. It is estimated that the company will employ total assets of ₹ 8,00,000; 50 per cent of the assets being financed by borrowed capital at an interest cost of 8 per cent per year. The direct costs for the year are estimated at ₹ 4,80,000 and all other operating expenses are estimated at ₹ 80,000. The goods will be sold to customers at 150 per cent of the direct costs. Tax rate is assumed to be 50 per cent.

You are required to CALCULATE: (i) Operating profit margin (before tax); (ii) net profit margin (after tax); (iii) return on assets (on operating profit after tax); (iv) asset turnover and (v) return on owners' equity.

Solution:

(FNW) : _	Income	statement:

Pott'culors	Amount	
30183 (4,80,000 x 150%)	7,20,000	
- Direct cost	(4,80,000)	
Gross Profit	2,40,000	
- Operating Expenses	(80,000)	
EBIT	1,60,000	(Operating Profit before Tax)
- Interest[(800,000×50%) x 8%]	(37000)	(Non-operating Expenses)
EBT	148000	, ,
~ TOLK @ SO%	(64000)	
EAT	64,000	(Next Pro fit After Took)

(WN-2): Operating proprit a feet toux:

EGIT	160,000	(operating Profit before Tox)
- 70x 8 50%	(80,000)	
	80,000	(Operating Profit After Tax)

- 1. Operating profit = $\frac{187}{30105}$ × 100 = $\frac{16000}{2900}$ × 100 = $\frac{22.22}{30100}$ × 100 = $\frac{16000}{2900}$ × 100 = $\frac{16000}{2000}$ × 100 = $\frac{16000}{200}$ × 100 = $\frac{16000}{200}$ × 100 =
- 7. Net Profit margin = EAT ×100 = 64000 ×100 = 8.89%.
- 3. Return on rotal Asset = Operating profit After tax x100

 (operating profit Total Assets

 After Tax) = 80,000 x100 = 10%



4. Asset Turnover	_	30163	=	720,000		0.9	29M.H
ROHB		ASSEX		800,000	=		•

Extra:

Borrowed funds Owners Equity
400,000



Following information relates to Temer Ltd

Question 14. (PP9)

Following information relates to Temer Ltd.:

Debtors Velocity	3 months
Creditors Velocity	2 months
Stock Turnover Ratio	1.5
Gross Profit Ratio	25%
Bills Receivables	₹ 25,000
Bills Payables	₹ 10,000
Gross Profit	₹ 4,00,000
Fixed Assets turnover Ratio	4

Closing stock of the period is ₹ 10,000 above the opening stock.

DETERMINE:

- (i) Sales and cost of goods sold
- (ii) Sundry Debtors
- (iii) Sundry Creditors
- (iv) Closing Stock
- (v) Fixed Assets

Solution:

i) dales & coud:		velocity means credit period
sales	100	? 1600,000
- Gross Profit	25	400,000
COG 3	75	? 1200,000

11) Sundry Debrors:

a) Account =
$$\frac{\text{credit Perrod}}{\text{sq.ps}}$$
 12

1600,000 $\times \frac{3}{12} = \sqrt{4},00,000$

iii) sundry Creditors:

a) Average 3 tock:

Stock Turnover Cocts

Ratio Average Stock

1.5 1200,000 Average stock

: Average stack = 1200,000 . \$ 800,000

b) opening & closing stock:

let's assume opening stock = 2e + 10,000

Average _ Opening + Closing

Stock 2

800,000 = 2 + 2 + 10,000 2

1590,000 = 2x

x = 795000

.: opening stock = 795000 closing stock = 795000 + 10,000 = 805000

c) credit Purchase

opening + Purchases - (10sing = (0075)
795000 + Purchases - 805000 = 1200,000
.: Purchase = 12,10,000.

d) Acount Payable:

credit Purchase x credit Perrod

12,10,000x 2 = \$ 201667

-1	_			
(9	C	L6Q	1:40	13 :

Account Payable - Brills Payable

- = 201667-10,000
- = 191667

(v) closling 310ck= \$ 805000

v) fixed Asseti

fixed asset = sales

Turnover Ratio Fixed Asset

4 1600,000

Fixed asset

:. Fixed Asset = 1600,000 = \$ 400,000.



Question 7. (PP1)

The total sales (all credit) of a firm are ₹ 6,40,000. It has a gross profit margin of 15 per cent and a current ratio of 2.5. The firm's current liabilities are ₹ 96,000; inventories ₹ 48,000 and cash ₹ 16,000.

- (a) DETERMINE the <u>average inventory</u> to be carried by the firm, if an inventory turnover of 5 times is expected? (Assume 360 days a year).
- (b) DETERMINE the average collection period if the opening balance of debtors is intended to be of ₹ 80,000? (Assume 360 days a year).

Solution:

a) Average Inventory:

9) (003:

30163	100	640,000
-Gross Profit	15	? 96000
(OU-5	85	? 544000

ii) Average Inventory:

b) Axerage Collection Period:

9) COTTENT ASSETS:

Calleut Modilities 5.2

: rurient asset = 3.5 x 96000 = \$ 340,000.

m) closing Debtors

cutient assets	240,000
- Inventories	(48000)
- CO3h	(16000)
	126000

iii) Average Debtors:

IV) Debtors Turnover Ratio:

Average Debrois

118000

= 5 trmes

v) Average Collection Perrod:



The following accounting information and

Question 8. (PP3)

The following accounting information and financial ratios of PQR Ltd. relates to the year ended 31st March, 2023:

- 1	Accounting Information:	
	Gross Profit	15% of Sales
	Net profit	8% of sales
	Raw materials consumed	20% of works cost
	Direct wages	10% of works cost
	Stock of raw materials	3 months' usage
	Stock of finished goods	6% of works cost
	Debt collection period	60 days
	(All sales are on credit)	
- 11	Financial Ratios:	
	Fixed assets to sales	1:3
	Fixed assets to Current assets	13:11
	Current ratio	2:1
	Long-term loans to Current liabilities	2:1
-L	Share Capital to Reserves and Surplus	1:4

If value of Fixed Assets as on 31st March, 2022 amounted to ₹ 26 lakhs, PREPARE a summarised Profit and Loss Account of the company for the year ended 31st March, 2023 and also the Balance Sheet as on 31st March, 2023.

Solution:

(WN+): 30163:

frred Asset . 1 sales 3

-. 50185 = 2600,000 x3

= 7800,000

(LON-2): CULTENT ASSETS

CUrrent Asset 11

(U1160+ 4356) = 13

current Asset = 2600,000 XII

= 2200,000

(WN-3): COCHS / WORKS COST:

30183 100 7800,000 - Gross Profit 15 ? 1170,000 COCTS / Works COST 85 ? 6630,000

(WN-4): Net Profit: 7800,000 x 8% = 624000

(WN-5): Raw marrial: 6630,000 x 20% = 1326000

(WN-6): Dripct wages: 6630,000 x10%= 663000

(WN-7): Stack of RM: 1376000 x 3 = 331500

(ON-8): Stock of FG: 6630,000 x 6% = 397800

(con-q): Debto rs: 7800,000 x 60 = 12,82,192.

(WN-10): Current liabilities:

current trobilities 1

= Current trabilities = 2200,000 = 1100,000

(WN4): long term loans

Long term loans 2
(arrent Liabilities 1

1 100,000

: long term 100n= 2 x 1100,000 = 2200,000



the state of the s		-1 Po 1		
(WN-12): 3 hare capital Fixed Asse		0 763	·	
	•			
CULLEUT ASS		ı	4800,000	
long term 1		<u> </u>	(२२००,०००)	
current Lic			(1100,000)	
capital & Re			1500,000	
(4/21/04 4 1/(J	J.	(1:4)	
	·e (<u>a pi'tou</u>	Reserves 4 S	2019103
300		•	1200,000	
-				
]r	odii) a & P	er Account	
fatticulors .		7 4	Parrculars	¥.
to pirect material (wn-	5)	134600	o by sales (wn-1)	7800,000
To Direct wages (WN-6) To Work OH To Gross Profit e/d(WN-3)		66300	'	, , , , , , , , , , , , , , , , , , ,
		464100	3)	
		1170,00	3	
	7800,000			
to Operating Expenses	(546000	By Gross Profit bid	1170,000
To Net Profit (WN-4)		624000		
		1170,00	8	1170,000
	Ba	ian ce 31	1001	
Equity & Wabilities		7	Assets	F
share capitau	30	00,000	fixed asset	₹600,000
Reserves & surpius		00,000		
		·	CULLEN! HOSSEL	
Long term 10ans	२२	00,000	Stock of RM 331500	
,		3	stock of FG 397800	
current Irobilities	110	00,000	D6D4013 19851d;	ર
			cosh 188208	२२००,०००
	ر ول	£00,000		4800,000



Question 9. (PP4)

Ganpati Limited has furnished the following ratios and information relating to the year ended 31st March, 2023:

•	
Sales	₹ 60,00,000
Return on net worth	25%
Rate of income tax	50%
Share capital to reserves	7:3
Current ratio	2
Net profit to sales	6.25%
Inventory turnover (based on cost of goods sold)	12
Cost of goods sold	₹ 18,00,000
Interest on debentures	₹ 60,000
Receivables	₹ 2,00,000
Payables	₹ 2,00,000

You are required to:

- (a) CALCULATE the operating expenses for the year ended 31st March, 2023.
- (b) PREPARE a Balance Sheet as on 31st March, 2023 in the following format:

Balance Sheet as on 31st March, 2023

	The state of the s				
-	Liabilities	₹	Assets	₹	
_	Share Capital		Fixed Assets		١.
	Reserve and Surplus		Current Assets		
	15% Debentures		Stock		
-	Payables		Receivables		ľ
_			Cash		

Solution:

(WN-?) Net worth =

(WN-3). share capital and Reserves & surplus

share capital	7	1000,000
Reserves surpius	3	? 450,000
Ner worth	10	1500000

(WN-4): 3tock

Inventory <u>Coots</u>
Turnover Ratio <u>stock</u>

12 = 1800,000 3fock

3+0CR = 1800,000 = 150,000

(LON-5): Debenture:

Depenture x 15% = Interest

Depenture x15% = 60,000

000000 = 400,000 15%

(WN-6): CULTENT ASSETS:

COLKUT USPRINGE

current L'abilities

200,000

means payables)

-. current Asset = 2×200,000 = 400,000 ,

(WN-7): fixed Asset:

Anare Capital 1050,000
Reserves 2 surplus 450,000
15% Debenture 400,000
Payables 200,000

2100,000

(400,000) (400,000)

1700,000



Particulars			₹	
3 a le3			60,00,000	
- (003			(1800,000)	
fitory reord			4200,000	
- Operating B	cpense		3390,000	
EBIT	l		810,000	
- Interest			(60,000)	
EBT	100	P	750,000	
- Tax	S 0	î	375000	
EAT	\$0		375000	

b)	Balance Sheet as on 3:	Ist March, 2023
------------	------------------------	-----------------

Liabilities	₹	Assets		₹
Share Capital	1050,000	Fixed Assets		1700,000
Reserve and Surplus	420,000	Current Assets		
15% Debentures	400,000	Stock	150,000	
Payables	200,000	Receivables	२००,०००	,
	·	Cash	\$0,000	400,000
-	2100,000			2100,000



Following is the abridged Balance Sheet

Question 2. (Illustration 2)

Following is the abridged Balance Sheet of Alpha Ltd.:

		•		
Particulars	₹	Assets	₹	₹
Share Capital	1,00,000	Land and Buildings		80,000
Profit and Loss Account	17,000	Plant and Machineries	50,000	
Current Liabilities	40,000	Less: Depreciation	15,000	35,000
-				1,15,000
		Stock	21,000	
		Receivables	20,000	
		Bank	1,000	42,000
Total	1,57,000	Total		1,57,000

With the help of the additional information furnished below, you are required to PREPARE Trading and Profit & Loss Account and Balance Sheet as at 31 st March, 2023:

(i) The company went in for re-organisation of capital structure, with share capital remaining the same as follows:

Share capital	50%
Other Shareholders' funds	15%
5% Debentures	10%
Current Liabilities	25%

Debentures were issued on 1st April, interest being paid annually on 31st March.

- (ii) Land and Buildings remained unchanged. Additional plant and machinery has been bought and a further ₹ 5,000 depreciation was written off.
 - (The total fixed assets then constituted 60% of total fixed and current assets.)
- (iii) Working capital ratio was 8:5.
- (iv) Quick assets ratio was 1:1.
- (v) The receivables (four-fifth of the quick assets) to sales ratio revealed a credit period of 2 months. There were no cash sales.
- (vi) Return on net worth was 10%.
- (vii) Gross profit was at the rate of 15% of selling price.
- (viii) Stock turnover was eight times for the year.

Ignore Taxation.

Solution:

(WN-1): 70tou Lrabilities:

<u> </u>		<u>*</u>	
50		100,000	
15	Ş	30,000	
10	?	२०,०००	
25	?	50000	
100	ŗ	२००,०००	
	50 10 25	10 ; 10 ; 12 ;	50 100,000 15 ? 30,000 10 ? 20,000 25 ? 50,000

(WN-2): TOTOU ASJET: notal Liabilities = Total Asset = 200,000 Fixed Asset (60%) Current Asset (40%) 120,000 80,000 Land & Bwilding Plant & machrnery 80,000 40,000 (120,000 -80,000) (WN-3): Plant & machinery: 60,000 Gross Amount (-) <u>Depreciation</u> (15000+5000) (20,000) 40,000 Net Amount (WN-4): 310CK: awick _ current Asset - stock Ratro Current Liobilities 80,000 - 5tock 50,000 50,000 = 80,000 - stock stack = 80,000 - 90,000 - 30,000. (WN-5): Receivables (current asset -stock) x 4 = (80,000 - 30,000) x 4 = 40,000 (WN-6): 30193: credit sales x credit period = Receivables 12 000004 x 29105 110910 credit soies = 40,000 x12 = 240,000.



(WN-7): Net Profit:			
shore copital		100,000	
Other Sharehold	ler fund		
net worth	<u> </u>	130,000	
119 333		x 10 y	
Net Profit		13000	
(WN-8): Gross Profit & (Nha n	
30163		? 36000	
- <u>Gross Profit</u>	85	? 36000 ? 204000	
©¢5	8 9	! 104000	
Tradir	ng and P	&L Account	
Particulars	· p	Particulars	*
to rogs	204000	By Bales	240,000
to Gross Profit	36000	'	
	240,000		240,000
to debenture Interest	1000	By Gtross Profit	36000
(20,000 x 5% x 12/12)			
to operating expenses	11000		
to Net Profit	13000		•
	36000		36000
	balance		
Eqwity & Lobilities	V E	Assets	4
share Capital	100,000	Fixed Asset	
other shoreholders fund	30,000	land & Bwilding	80,000
	0.00	Plant & mothrnery 60,000	
5r. Debenture	२०,०००	(2000)	40,000
current L'obilities	50000	A	
		Current Asset:	
		310ck 30,000	
		Deptors 40,000	80000
	100,000	(03h (10,000)	80,000



From the following information and ratios, PREPARE the

Question 15. (PP10)

From the following information and ratios, PREPARE the Balance sheet as at 31st March, 2023 and Income Statement for the year ended on that date for M/s Ganguly & Co -

	Average Stock	₹10 lakh
	Current Ratio	3:1
	Acid Test Ratio	1:1
	PBIT to PBT	2.2:1
_	Average Collection period (Assume 360 days in a year)	30 days
	Stock Turnover Ratio (Use sales as turnover)	5 times
	Fixed assets turnover ratio	0.8 times
	Working Capital	₹10 lakh
_	Net profit Ratio	10%
_	Gross profit Ratio	40%
	Operating expenses (excluding interest)	₹9 lakh
	Long term loan interest	12%
	Ταχ	Nil

Solution:

(W) NH): CUTTENT ASSET & LIOBITITIES:

current asset	3	?	1500,000
- current Lrabilities	1	?	200,000
working capital	2		10,00,000

(WN-2): 3 tock:

Acro Test .	cultent asset - stock
Raho	current uobilities
1 =	1500,000 - 370ck
	500,000

(WN-3): 30165:

Stock Turnover.	<u> </u>
Ratio	Average stock
	latot

(WN-4): Fixed Asset: 30183 Fixed Asset Turnover Ratio Fixed Asset 0.8 , 50,00,000 Fixed Asset : Fixed Asset = 50,00,000 = 6250,000. 0.8 (WN-5): Net Profit: 50,00,000 x10% = 500,000 (WN-6): Gross Profit and Cocks: 100 900000 30163 40 ? 20,000,000 - Gross Profit 60 1 30,00,000 (OG5 (mn-7): Debtors credit x credit ferrod 30163 360 - 50,00,000 x <u>30</u> = 416,667 1 Income statement: ~ Particulars 50,000,000 30163 (30,00,000) <u>- (003</u> Gross Profit 20,00,000 (9,00,000)- Operating Expenses 1100,000 PBIT (600pco) - Interest 500000 PBT (wn-8): Long term 100n 100n x 12% = Inferest Loon = 600,000 = 50,00,000 12%



	Balance	sheet			
Equity & Liabilities	·F	Assets			£
share capital	2120,000	Fixed	Assels		6750,000
Long term loons	50,00,000	current	hsset:	<u>5</u>	
	·	stock		10,00,000	
current Lodilitres	500,000	090101		416667	
		cash		83,333	1500,000
	7750,000				7750,000
<u> </u>					
6					
7 (2na)				
10					
11					
12					
<u>[3</u>					
6					

Following information has been provided

Question 11. (PP6)

Following information has been provided from the books of Laxmi Pvt. Ltd. for the year ending on 31st March, 2023:

	511 5 2 5 4 1 tal tall, 2 5 2 5 1	_
_	Net Working Capital	₹ 4,80,000
	Bank overdraft	₹ 80,000
	Fixed Assets to Proprietary ratio	0.75
_	Reserves and Surplus	₹ 3,20,000
_	Current ratio	2.5
	Liquid ratio (Quick Ratio)	1.5

You are required to PREPARE a summarised Balance Sheet as at 31 st March, 2023 assuming that there is no long term debt.

Solution:

(WNA): CUTTENT ASSETS & LIODIIITES:

cutrent Asset	4.5	300,000
- Current Liabilities	1	१ ३२०,०००
working capital	1.5	480,000

WN-2): 310CL:

$$1.5 \times 320,000 = 800,000 - 510 \text{ CK}$$

$$\therefore 510 \text{ CK} = 320,000 .$$

(WN-3): Proprestory funds

FIXed Asset _ 0.75

Proprietory =
$$Fixed$$
 + $Current$ - $Current$ - $Long$ term fund Asset Asset Liabilities Liabilities

PF = $6.75PF + 800,000 - 320,000 - NIL$
 $0.25PF = 480,000$
 $PF = 1920,000$



,	195 P 301 138+:		1920,000) (320,000) 1600,000		
DN-s): Fixed A	3367:		·		
		re x Prani	1600,000		
		re x Prani			
		re x Prank			
F1 X 60 H 53	eps = 0.	76 X 4 CVI	-: 01 C. 01.		
			,	•	
		75 x 1920,			
	= 14	140,000.			
		Paranca	sheet		
Egwry & Crabi'i		l l	Ass ers		
share capricu			fixed Asset		1440,000
Reserves & sur		320,000			7 1 40,000
	, 43	3 (0/000	Current Asset		
Cutrent Liobilit	1.67		stock		
bonk old			other current	A33 e4 (480,000)	200,000
creditors	140,000	910,000			
		2440,000			२२५०,०००



Using the following information

Question 10. (PP5)

Using the following information, PREPARE the balance sheet:

_	Long-term debt to net worth	0.5
	Total asset turnover	2.5
	Averαge collection period*₹	18 days
	Inventory turnover	9
	Gross profit margin	10%
	Acid-test ratio	1

^{*}Assume a 360-day year and all sales on credit.

-	₹		₹
Cash	?	Notes and payables	1,00,000
Accounts receivable	?	Long-term debt	?
Inventory	?	Common stock	1,00,000
Plant and equipment	?	Retained earnings	1,00,000
Total assets	?	Total liabilities and equity	?

Solution:

	Balance theet				
Assets	۴	Equity & Liabilities	F		
CO3h	50,000	Notes & Payables	100,000		
Account receivable	50,000	Long term debt	100,000		
Inventory	·	common stock	100,000		
Plant & Equipment		Retained Forning	100,000		
	400,000	, and the second	400,000		

(WN-1): Long term debt:

= 100,000 + 100,000

= 200,000

b) Long term debt = 0.5

Long term debt = 0.5

: Long term debt = 0.5 x 200,000 = 100,000.

(WN-2): 30163:

a) Total Irobilitres = Total Assers = 400,000

b) total Asset 3ales
Turnover Ratto total Asset

400,000 400,000

: 50103 = 2.5 × 400,000 = 10,00,000.

(WN-3): Gross Propit & COGS:

(WN4): Debtors/ Account receivable

credit x credit Perrod
360

= 10,00,000 x <u>18</u> 360

= 50,000.

(WN-5): Inventory:

Inventory Coas

Turnover Rotro Inventory

900,000

Inventory

 $\therefore \text{ Inventory} = \frac{900,000}{9} = \frac{100,000}{9}$

(WN-6): cash:

Acrd-Test = current Asset - stock	CUTTENT ASSEL	२००,०००
Ratio current uabilities	-stock	(100,000)
current asset - 100,000	- Alc receivable	(000,002)
100,000	cash	50,000
: current Asset = 200,000	·	



Gig Ltd. has furnished the following information

Question 13. (PP8)

Gig Ltd. has furnished the following information relating to the year ended 31st March, 2022 and 31st March, 2023:

	31st March, 2022	31st March, 2023
	(₹)	(₹)
Share Capital	40,00,000	40,00,000
Reserve and Surplus	20,00,000	25,00,000
Long term loan	30,00,000	30,00,000

- Net profit ratio: 8%
- Gross profit ratio: 20%
- Long-term loan has been used to finance 40% of the fixed assets.
- Stock turnover with respect to cost of goods sold is 4.
- Debtors represent 90 days sales.
- The company holds cash equivalent to 1½ months cost of goods sold.
- Ignore taxation and assume 360 days in a year.

You are required to PREPARE Balance Sheet as on 31st March, 2023 in the following format:

Liabilities	(₹)	Assets	(₹)
Share Capital	-	Fixed Assets	-
Reserve and Surplus	-	Sundry Debtors	-
Long-term loan	-	Closing Stock	-
Sundry Creditors	_	Cash in hand	_

Solution:

a	Baronce	dheet	
Equity & 40 bilitres	\$	Asset	₹
share caprao	40,00,000	fixed asset	7500,000
Reserves a surplus	2500,000	etotaga utonue	002 5021
Long term 100n	800,000	closing stock	000,0251
sundry creditors	1437500	cash in hand	635000
'	10937500		10937500

(WN-1): (OC+3: Reserves & surplus a) as on 31-3-33 7500,000 D) 93 OD 31-3-22 20,00,000 5,00,000 Net Profit (3) ÷ 8% + Net Profit %. 6950,000 30183 100 12 50,000 20 - Gross Profit 80 50,00,000 (OC)

(WN-2): 3+OCK:

(WN-3): Debrors:

$$6450,000 \times \frac{90}{360} = 1564500$$

(WN-4): CO3h:

(WN-B): Fixed Asset:



Following information are available for Navya Ltd

Question 6. (Illustration 6)

Following information are available for Navya Ltd. along with various ratios relevant to the particular industry it belongs to. APPRAISE your comments on strength and weakness of Navya Ltd. comparing its ratios with the given industry norms.

Navya Ltd.

Balance Sheet as at 31.3.2023

	Liabilities	(₹)	Assets	(₹)
	Equity Share Capital	48,00,000	Fixed Assets	24,20,000
	10% Debentures	9,20,000	Cash	8,80,000
	Sundry Creditors	6,60,000	Sundry debtors	11,00,000
	Bills Payable	8,80,000	Stock	33,00,000
-	Other current Liabilities	4,40,000		
	Total	77,00,000	Total	77,00,000

Statement of Profitability

For the year ending 31.3.2023

Particulars	(₹)	(₹)
Sales		1,10,00,000
Less: Cost of goods sold:		_
Material	41,80,000	_
Wages	26,40,000	
Factory Overhead	12,98,000	81,18,000
Gross Profit		28,82,000
Less: Selling and Distribution Cost	11,00,000	_
Administrative Cost	12,28,000	23,28,000
Earnings before Interest and Taxes		5,54,000
Less: Interest Charges		92,000
Earning before Tax		4,62,000 -
Less: Taxes @ 50%		2,31,000
Net Profit (PAT)		2,31,000

Industry Norms

Ratios	Norm
Current Ratio	2.5
Receivables Turnover Ratio	8.0
Inventory Turnover Ratio (based on Sales)	9.0
Total Assets Turnover Ratio	2.0
Net Profit Ratio	3.5%
Return on Total Assets (on EBIT)	7.0%
Return on Net worth (Based on Net profit)	10.5%
Total Debt/Total Assets	60.0%

		Navya	Industry
Ratio	Pormula	140	Norms
1. current	Current Asset	<u> 5280,000 = 2.67</u>	ર. ક
Ratio	current Liabilities	1980,000 (9000)	
7. Receivable	<u> 4ales</u>	1,10,00,000	8
Turnover Ratio	Debtors	11,00,000 (600d)	
3. Inventory	<u>50163</u>	1/10/00/000 = 3.33	9
Turnover Ratio	3tock	33,00,000 (bod)	
i. Total Asset	<u> </u>	1,10,00,000 1.43	૨
Turnover Ratio	total asset	7700000 (Bod)	
5. Net Profit	PAT SIM	₹31000 × 100 = ₹-1 %	3.5%.
Ratio	Sales F100	1/10,000,000 (Bad)	
6. Return on	F017 × 100	554000 × 100 = 7.19	% % %
totou Asset	Total Asser	7700,000 (6000)	
7. Return on	PAT K100	231000 × 100 = 4.819	10.5%
Net worth	Ner worth	4800,000 (100))
8. Potal Debt to	70101 Debt K100	2900,000 ×100 = 37.66	S% 60%
Total Asset	Total Asset	7700,000 [1833]	

Comments:

- 1. The position of Navya Ltd. is better than the industry norm with respect to Current Ratio and Receivables Turnover Ratio.
- 2. However, the Inventory turnover ratio and Total Asset Turnover ratio is poor comparing to industry norm indicating that company is inefficient to utilize its inventory and assets.
- 3. The firm also has its net profit ratio and return on net worth ratio much lower than the industry norm.
- 4. Total debt to total assets ratio is lower that the industry standard which suggests that the firm is less levered by debt and more by equity resulting in less risky company.



In a meeting held at Solan towards the end of

Question 1. (Illustration 1)

In a meeting held at Solan towards the end of 2021-22, the Directors of HPCL Ltd. have taken a decision to diversify. At present HPCL Ltd. sells all finished goods from its own warehouse. The company issued debentures on 01.04.2022 and purchased fixed assets on the same day. The purchase prices have remained stable during the concerned period. Following information is provided to you:

INCOME STATEMENT

Particulars	2021-22 (₹)		2022-23 (₹)	
Cash Sales	30,000		32,000	
Credit Sales	2,70,000	3,00,000	3,42,000	3,74,000
Less: Cost of goods sold		2,36,000		2,98,000
Gross profit		64,000		76,000
Less: Operating Expenses:				
Warehousing	13,000		14,000	
Transport	6,000		10,000	
Administrative	19,000		19,000	
Selling	11,000	49,000	14,000	57,000
Net Profit		15,000		19,000

BALANCE SHEET

Assets & Liabil	ities	2021-22 (₹)		2022-23 (₹)	
Fixed Assets (N	et Block)	-	30,000	1	40,000
Receivables		50,000		82,000	
Cash at Bank		10,000		7,000	
Stock		60,000		94,000	
Total Cur	rent Assets (CA)	1,20,000		1,83,000	
Payables		50,000		76,000	
Total Cur	rent Liabilities (CL)	50,000		76,000	
Working Capito	ıl (CA - CL)		70,000		1,07,000
Net Assets			1,00,000		1,47,000
Represented by	<i>/</i> :				
Share Capital			75,000		75,000
Reserve and Su	ırplus		25,000		42,000
Debentures			-		30,000
			1.00.000		1.47.000

You are required to CALCULATE the following ratios for the years 2021-22 and 2022-23:

- (i) Gross Profit Ratio
- (ii) Operating Expenses to Sales Ratio
- (iii) Operating Profit Ratio
- (iv) Capital Turnover Ratio
- (v) Stock Turnover Ratio
- (vi) Net Profit to Net Worth Ratio
- (vii) Receivables Collection Period

Ratio relating to capital employed should be based on the capital at the end of the year. Give the reasons for change in the ratios for 2 years. Assume opening stock of ₹ 40,000 for the year 2021-22. Ignore Taxation.



computation of Ratios:

Poterculars	formula	ŞI-22	२२-२३
1. G1033 Prof17	Gross Profit K100	64000 × 100	76000 1100
Ratio	30 les	64000 × 100	76000 374000 r100
VII .		= 21.33%	= २०.३२%
2. Operating expenses	Operating exp K100	49000 × 100	57000 x 100
to soles ratio	50 les	300,000	374000
-		= 16.33%	= 15.24%
3. Operating Profit	Operating Prohit 100	15000 300000 Y 100	19000 100
Ratio (EBIT)	sales	300000 1, 1000	374000
		= 5 %	= 5.08%
4. Copraw Turnover	<u> </u>	300,000	374000
Rano	copital Employed	100,000	147000
		= 3 fimes	= 4.54 times
5. Stock Turnover	(0043	<u> </u>	<u>२98000</u>
Ratio	Average stock	50,000	77000
		= 4.72 +1'mes	= 3.87
(WN4): Average	opening + crosing	40,000 +60,000	60,000 + 94000
stock	2	ર	ર
		= 50,000.	= 77000 .
6. Net Profit to	Net Profit x100	18000 K100	19000 x100
net worth Ran's	net worth	100000	117000
(Net worth = capito	W + R & 5)	= 15%	= 16.24%
7-0) pebtors turnover	Credit sales	270,000 = 5.4	342000 = 4.17
Rano	Deplora	50,000	84000
D) Average	365	<u>365</u> = 67.59	$\frac{36S}{4.17} = 87.53$
collection períod	Rano in times	504 days	4.17 days.



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The capital structure of Beta

Question 7. (PP2)

The capital structure of Beta Limited is as follows:

The capital stractare of Beta Enfliced is as follows.	
Equity share capital of ₹ 10	8,00,000
each	
9% preference share capital	3,00,000
of ₹ 10 each	
	11,00,000

Additional information: Profit (after tax at 35 per cent) ₹ 2,70,000; Depreciation ₹ 60,000; Equity dividend paid 20 per cent; Market price of equity shares ₹ 40.

You are required to COMPUTE the following, showing the necessary workings:

- (a) Dividend yield on the equity shares
- (b) Cover for the preference and equity dividends
- (c) Earnings per shares
- (d) Price-earnings ratio

Solution:

(WN-1): Income statement

POFFICUIOTS		
PAT	270,000	
- Preference Dividend (300,000 × 9 %)	(२७००)	
NP FOR ES	२५३०००	
- Equity Dividend	(160,000)	
(800,000×20%)		
Retorned Earning	83000	

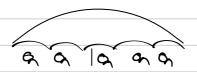
a) Dryrdend yreld on Equity shares

Morket Price per shore k100

(10×20%) × 100

5%

3 70r			
\ / OK			
マフド	8	9	4



b) Dividend coverage ratro:

a) Preference Dividend :

PAT
Preference Dividend

<u>२ ७०,०००</u> २ ७०००

= 10 times.

coverage ratio

= NP for Es Equity Dividend

160,000

= 1.52 times

3) <u>EPJ:</u>

3.04

4. Price-Earning Ratio:

morket Price per shore 40 13.16 times.

Farning Per shore 3.04

Q I5 Q PP 11.



From the following information, you are required

Question 16. (PP11)

From the following information, you are required to PREPARE a summarised Balance Sheet for Rudra Ltd. for the year ended 31st March, 2023:

	The state of the s	
L	Debt Equity Ratio	1:1
	Current Ratio	3:1
Г	Acid Test Ratio	8:3
H	Fixed Asset Turnover (on the basis of sales)	4
L	Stock Turnover (on the basis of sales)	6
L	Cash in hand	₹ 5,00,000
	Stock to Debtor	1:1
r	Sales to Net Worth	4
H	Capital to Reserve	1:2
L	Gross Profit	20% of Cost
	COGS to Creditor	10:1

Interest for entire year is yet to be paid on Long Term loan @ 10%.

Solution:

Ba	lar)ce	3	neet
----	-----	-----	---	------

			- 11-001		
Equity & Labilities		4	Assers		F
share copital	1	10,00,000	fixed Assex	عري	30,00,000
Reservers & surplus] 22/4	२०,००,०००			
			current Asset		
Long term loan	æ∕ <i>t</i> •	30,000,000	310ck	20/6	20,00,000
			Debtor	2/6	20,00,000
current Liobilities			cash		500,000
Creditof (2/12)) 2e/g	10,00,000			
In 16 16 34	\$000 +	300,000			
other CL	3	500,000			
		7500,000			7500,000

Let sales be 20

(CDN-1): Fixed Asset

Fixed Asset Sales
Turnover Ratio Fixed Asset

fixed Asset

: Frxed Asset = 20

(WN-2): 3+OCK:

(WN-3): Debtors:

(ON-4): sales to Net worth:

$$\therefore$$
 Net worth = $\frac{20}{4}$

(WN-5): COCHS & GP:

$$\frac{100x}{120} = \frac{5x}{6}$$

(WN-6): Creditor.	
COC43 10	5 m = (reditors
creditor	6×10
$\frac{\left(\frac{5\varkappa}{6}\right)}{5} = 10$	= 5x = creditors
(reditor	= creditors = R
e of items of the second secon	12

$$= \frac{2}{6} + \frac{2}{6} + \frac{500,000}{6} = 3 \times \text{curient Liabilities}$$

$$= \frac{2x}{6x3} + \frac{500,000}{3} = \text{cutrent Liabilities}$$

$$\frac{280}{18} + \frac{500000}{3} = Current Liabilities$$

(WN-8): Debt Equity Rotto:

(WN-9) : 30163

Total Equity & Crabilities = Total Assets

$$\frac{x}{4} + \frac{x}{4} + \frac{x}{9} + \frac{500,000}{3} = \frac{x}{4} + \frac{x}{6} + \frac{x}{6} + \frac{500,000}{6}$$
(Eliminate $\frac{x}{4}$)

$$\frac{x}{4} + \frac{x}{9} + \frac{500,000}{3} = \frac{x}{6} + \frac{x}{6} + \frac{500,000}{6}$$

$$\frac{x}{4} + \frac{x}{9} + \frac{500,000}{3} = \frac{2x}{6} + 500,000$$

$$\frac{x}{4} + \frac{x}{9} + \frac{500,000}{3} = \frac{x}{3} + 500,000$$

$$\frac{x}{4} + \frac{x}{9} - \frac{x}{3} = \frac{500,000 - \frac{500,000}{3}}{3}$$
(x9x3) (4x3) (4x9)

$$\frac{272}{108} + \frac{122}{108} - \frac{362}{108} = \frac{1500,000}{3} - \frac{500,000}{3}$$

$$\frac{32}{108} = \frac{10,00,000}{3}$$

(WN-10): shore capital & Reserves:

Networth =
$$\frac{20}{4} = \frac{120,000,000}{4} = \frac{30,000,000}{4}$$

thate captrou

(1:2)

Reserves & surplus



(WN-11): Inverest: Long term loan x 10x 30,00,000 - 300,000
30,00,000 K 10%.
= 300,000



Manan Pvt. Ltd. gives you the following

Question 12. (PP7)

Manan Pvt. Ltd. gives you the following information relating to the year ending 31st March, 2023:

(1)	Current Ratio	2.5:1
(2)	Debt-Equity Ratio	1:1.5
(3)	Return on Total Assets (After Tax)	15%
(4)	Total Assets Turnover Ratio	2
(5)	Gross Profit Ratio	20%
(6)	Stock Turnover Ratio	7
(7)	Net Working Capital	₹ 13,50,000
(8)	Fixed Assets	₹ 30,00,000
(9)	1,80,000 Equity Shares of	₹ 10 each
(10)	60,000, 9% Preference Shares of	₹ 10 each
(11)	Opening Stock	₹ 11,40,000

You are required to CALCULATE:

- (a) Quick Ratio
- (b) Fixed Assets Turnover Ratio
- (c) Proprietary Ratio
- (d) Earnings per Share

Solution:

(WN-1): CUTTENT ASSETS & LIDBILITIES:

current asset	۷،5	5 552000	
- Current Lrabilities	1	? 900,000	
Net working capital	1.5	1350,000	_

(CON-2): 70+01 Assets:

fixed Assers	30,00,000	
current assets	2350,000	
	000,0267	

(WN-3): Profit (PAT):

TOTOU ASSET X 15%

- = 5450,000 x 15%
- 2 787500

(WN-4): 3a1es:	
Total Asset	૯ ૩
TURNOYER RATIO TOTO	U ASSEA
5 ² 70163	
5250,00	
: 3a1e3 = 5250,000	0 x 2 = 10 5,00,000
(WN-5): COCHS & G1033 Profi	<u>ጉ:</u>
	100 10500,000
- Gross Profit	
० ५३	\$0 ? 8400,000
(WN-6): Closing stock:	
a) Average stock:	
940cx	<u> </u>
TURNOVE	er Rotto Average Stock
	7 8400,000
	Average stock
: Ave	
	Preroge stock = 8400,000 = 1200,000
b) crosing stock:	Average stock 2 rage stock = 8400,000 = 12,00,000
b) <u>crosing stock</u> : Average	Preroge stock 2 roge stock = 8400,000 = 1200,000
b) <u>crosing stock</u> : Ayerage Stock	Average stock Prage stock = 8400,000 = 1200,000 T Dening + closing = 2
b) <u>crosing stock</u> : Average	Average stock Prage stock Prage stock 1200,000 T Opening + closing 2 1140,000 + closing
b) <u>crosing stock</u> : Ayerage Stock	Average stock Prage stock Prage stock 1200,000 T Dening + closing 2 1140,000 + closing
D) Closing Stock: Ayerage Stock 1200,000	Average stock Prage stock Prage stock 1200,000 T Dening + closing 2 1140,000 + closing
b) closing stock: Average stock 1200,000 =	Average stock Prage stock Prage stock 1200,000 T Dening + closing 2 1140,000 + closing
b) closing stock: Average stock 1200,000 = closing stock (WN-7): Debt & Equity:	Average stock Prage stock Prage stock 1200,000 1000,000 1140,000 + closing 2 1140,000 2 1140,000
b) closing stock: Average stock 1200,000 = closing stock (WN-7): Debt & Equity: Total Assets	Average stock Prage stock Pra
b) closing stock: Average Stock 1200,000 = : closing stock (WN-7): Debt & Equity: Total Assets - Current Crabilities - Preference share capit Debt & Equity	Average stock Prage stock = 8400,000 = 1200,000 - Opening + Closing 2 1140,000 + Closing 2 = 1260,000 5250,000 900,000 00 600,000 3750,000
b) closing stock: Average Stock 1200,000 = : closing stock (WN-7): Debt & Equity: Total Assets - current crabilities - Preference share capit Debt & Equity	Average stock Prage stock = 8400,000 = 1200,000 The stock = 1200,000 1140,000 + Closing 2 = 1260,000 5250,000 900,000 3750,000 (1:15)
b) closing stock: Average Stock 1200,000 = : closing stock (WN-7): Debt & Equity: Total Assets - Current Crabilities - Preference share capit Debt & Equity	Average stock 2rage stock = \frac{8400,000}{7} = 1200,000 = \frac{0pening + closing}{2} = 1140,000 + closing = 1260,000 = 1260,000 = 3750,000 (1:1.5) Equity

d		
1. Qurch Ratio:	<u> </u>	
Cote - 4966A tophilipies	<u> </u>	
carrent riabilities		
<u> </u>		
900,000		
. I.1 : 1		
7. Fixed Asset Turnover Ro	<u> </u>	
<u> 301es</u>		
fixed Asset		
10,000,000		
30,00,000		
= 3.5 trmes		
b. <u>Proprietary Ratro</u> :		
o) proprietary funds	= Eqwity	2920,000
	Preference share capital	600,000
		9820000
b) Proprietory Ratio =	Proprietory Funds	
	Total Assets	
	₹ 8 20,000	
	5450,000	
2	0.54	
4. Earning Per share:		
PAT	787900	
- Preference Dividend	(54000)	
(60,000 x 10) x 9 %		
	733500	
NP FOR F3		
NP FOR ES	+180,000	
NP FOR ES + NO OF ES EPS.		



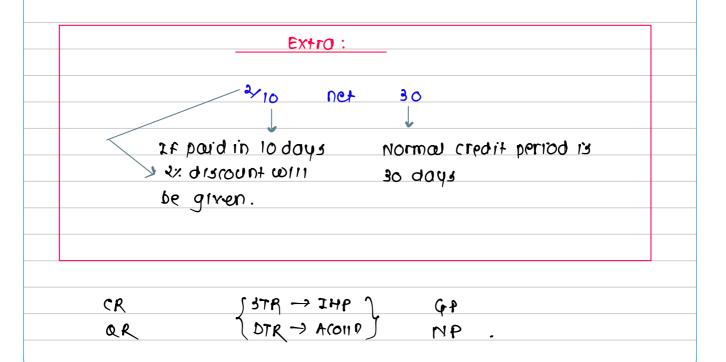
ABC Company sells plumbing fixtures on terms

Question 5. (Illustration 5)

ABC Company sells plumbing fixtures on terms of 2/10, net 30. Its financial statements over the last 3 years are as follows:

Particulars	2020-21	2021-22	2022-23
	₹	₹	₹
Cash	30,000	20,000	5,000
Accounts receivable	2,00,000	2,60,000	2,90,000
Inventory	4,00,000	4,80,000	6,00,000
	6,30,000	7,60,000	8,95,000
Net fixed assets	8,00,000	8,00,000	8,00,000
	14,30,000	15,60,000	16,95,000
	₹	₹	₹
Accounts payable	2,30,000	3,00,000	3,80,000
Accruals	2,00,000	2,10,000	2,25,000
Bank loan (short-term)	1,00,000	1,00,000	1,40,000
	5,30,000	6,10,000	7,45,000
Long-term debt	3,00,000	3,00,000	3,00,000
Common stock	1,00,000	1,00,000	1,00,000
Retained earnings	5,00,000	5,50,000	5,50,000
	14,30,000	15,60,000	16,95,000
	₹	₹	₹
Sales	40,00,000	43,00,000	38,00,000
Cost of goods sold	32,00,000	36,00,000	33,00,000
Net profit	3,00,000	2,00,000	1,00,000

Considering opening balance of Accounts Receivable and Inventory as 2,00,000 and 4,00,000 respectively as on 01.04.2020, ANALYSE the company's financial condition and performance over the last 3 years. Are there any problems?





[Ratios	2020-21	2021-22	2022-23
	Current ratio (Current Assets / Current Liabilities)	1.19 (₹6,30,000 ₹5,30,000)	1.25 (₹7,60,000 ₹6,10,000)	1.20 (₹8,95,000 ₹7,45,000)
	Acid-test ratio (Quick Assets / Current Liabilities)	0.43 (₹2,30,000 ₹5,30,000)	0.46 (₹2,80,000 ₹6,10,000)	0.40 (₹2,95,000 ₹7,45,000
	Receivables turnover ratio (Sales/ Average Receivables) (Refer Working Notes)	20 (₹40,00,000 ₹2,00,000	18.70 (₹43,00,000 ₹2,30,000	13.82 (₹38,00,000 ₹2,75,000
-	Average collection period (365 / Receivables turnover ratio)	18.25 (365/20)	19.52 (365/18.70)	26.41 (365/13.82)
	Inventory turnover ratio (COGS / Average Inventory) (Refer Working Notes)	8 (₹ 32,00,000 ₹ 4,00,000	8.18 (₹ 36,00,000 ₹ 4,40,000	6.11 (₹ 33,00,000 ₹ 5,40,000
_	Inventory Holding	45.63	44.62	59.74
	Perrod (36 S / ratio in Times)			
•	Gross profit margin (Gross Profit / Sales) {Gross profit = Sales - Cost of Goods sold}	0.20 (₹8,00,000 ₹40,00,000	0.16 (₹7,00,000 ₹43,00,000	0.13 (₹5,00,000 ₹38,00,000)
3	Net profit margin (Net Profit / Sales)	0.075 (₹3,00,000 ₹40,00,000	0.047 (₹2,00,000 ₹43,00,000	0.026 (₹1,00,000 ₹38,00,000
9	Total Asset turnover (Sales / Total Assets)	2.80 (₹40,00,000 ₹14,30,000	2.76 (₹43,00,000 ₹15,60,000	2.24 (₹38,00,000 ₹16,95,000)
0	Return on assets (Net profit/ Total Assets)	0.21 (₹3,00,000 ₹14,30,000	0.13 (₹2,00,000 ₹15,60,000	0.06 (₹1,00,000 ₹16,95,000

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