## **RATIO ANALYSIS- III BCOM- FA-VI**

## Formula to calculate ratio:

1.Current Ratio	Current assets/ current liabilities x 100
2.Liquid Ratio	Liquid assets/ liquid liabilities x 100
(Quick ratio/Acid	Liquid assets= Current assets- (stock & prepaid
test ratio)	expenses)
	Liquid liabilities= current liabilities- Bank
	overdraft
3. Stock turnover	Cost of goods sold/average stock x 100
ratio	Cost of goods sold= Opening stock+
	Purchases+Direct expenses- closing stock (sales-
	gross profit)
	Average stock= opening stock+ closing stock/2
4. Gross profit	Gross profit/ Net sales x 100
ratio:	
5. Net profit Ratio:	Net profit after tax/ Net sales x 100
6. Debt Equity	Long term debts/ shareholders' funds x 100
Ratio:	Shareholders funds= Equity capital+ preference
	capital+ reserves and surplus – Fictitious assets.
7. Capital gearing	Equity shareholders' funds/ fixed interest-
ratio:	bearing funds x 100.
	Equity shareholders' funds= Equity capital+
	reserves and surplus.
	Fixed Interest bearing funds= Preference capital
	debentures+ Long term loan.
8. Debtors	Net credit sales/Average debtors x 100
turnover ratio:	Total sales/closing debtors x 100
9. creditors	Net credit purchases/ average accounts
turnover ratio:	<b>payable x100</b> (creditors +bills payable)
10. Proprietary	Shareholders funds / Total assets x 100.
ratio	
11. operating ratio:	Cost of goods sold + operating expenses / net sales x 100
	Operating expenses $=$ administration $+$ distribution
	and selling expenses
12 working capital	Current assets/ current liabilities x 100
ratio:	
100101	1

Liabilities	Amount ₹	Assets	Amount ₹
Equity share capital	2,00,000	Plant & machinery	2,00,000
10% Preference	1,00,000	Land and building	2,00,000
share capital			
20% debentures	1,00,000	Stock	1,50,000
Reserves and surplus	1,00,000	Debtors	50,000
Loan (Long term)	50,000	Cash	1,00,000
Creditors	1,00,000		
Bank overdraft	50,000		
	7,00,000		7,00,000

1) Following is the Balance sheet of X limited as at 31 march 2021:

Compute the following ratios:

- 1) Current ratio 2) liquid ratio 3) proprietary ratio 4) Debt equity ratio
- 5) Capital gearing ratio.
- 1) Current ratio= Current assets/current liabilitiesx100

CA= 1,50,000+50,000+1,00,000=3,00,000 Stock+cash+debtors

CL= 1,00,000+ 50,000=1,50,000 Creditors +BOD

3,00,000/1,50,000 X100= 2: 1 OR 200%

- 2) Liquid ratio= liquid assets/liquid liabilities x100 Liquid assets= 50,000+1,00,000 = 1,50,000debtors and cash Liquid liabilities= 1,00,000= creditors 1,50,000/1,00,000x100= 3:2 or 150%
- 3) Proprietary ratio= shareholders fund/total assetsx100 Shareholders fund= ESC+PSC+R&S 2,00,000+1,00,000+1,00,000=4,00,000 Total assets= 7,00,000 4,00,000/7,00,000x100= 4:7 or 57.14%
- 4) Debt and equity ratio= long term debt/ shareholders fund x100 Long term debt= debentures+ long term loan 1,00,000+50,000=1,50,000 Shareholders fund= ESC+PSC+R&S= 4,00,000 1,50,000/4,00,000X100= 3:8 OR 37.5%
- 5) Capital gearing ratio= equity shareholders fund/fixed interest bearing fundsx100 ESP= ESC+R&S 2,00,000+1,00,000= 3,00,000

Fixed int bearing fund= PSC+Debentures+long term loan 1,00,000+1,00,000+50,000= 2,50,000 3,00,000/2,50,000x100= 6:5 or 120%.

2) following is the balance sheet of a company as on 31 march 2021:

Liabilities	Amount ₹	Assets	Amount ₹
Share capital	2,00,000	Land and	1,40,000
		building	
Profit and loss	30,000	Plant and	3,50,000
account		machinery	
General reserve	40,000	Stock	2,00,000
12% debentures	4,20,000	Debtors	1,00,000
Creditors	1,00,000	Bills receivables	10,000
Bills payable	50,000	Cash at bank	40,000
	8,40,000		8,40,000

Compute: 1) current ratio 2) quick ratio 3) debt to equity ratio 4) proprietary ratio 5) capital gearing ratio.

Current ratio= current assets/current liabilitiesx100

CA= Stock+debtors+B/R+Cash 2,00,000+1,00,000+10,000+40,000=3,50,000

CL= creditors +B/P 1,00,000+50,000=1,50,000

3,50,000/1,50,000X100= 7:3 OR 233.33%

Quick ratio= liquid assets/liquid liabilitiesx100

LA= Debtors+B/R+Cash 1,00,000+10,000+40,000=1,50,000

LL= Creditors +B/P 1,00,000+50,000=1,50,000

1,50,000/1,50,000X100= 1:1 OR 100%

Debt equity ratio= long term debt/shareholders fundx100

Long term debt= 12% debentures 4,20,000

Shareholders fund= Sc+PL+GR 2,00,000+30,000+40,000=2,70,000

4,20,000/2,70,000X100= 14:9 OR 155.55%

Proprietary ratio= shareholders fund/total assets x100

Shareholders fund= 2,70,000

Total assets= 8,40,000

2,70,000/8,40,000x100= 9:28 or 32.14%

Capital gearing ratio= equity shareholders fund/fixed interest bearing fundsx100

ESH Fund= share capital+PL+GR 2,00,000+30,000+40,000=2,70,000

Fixed int bearing fund= 12% debentures 4,20,000

2,70,000/4,20,000x100= 9:14 or 64.29%

Liabilities	Amount	Assets	Amount
ESC	2,00,000	Building and Land	1,90,000
6% PSC	1,00,000	Plant & machinery	3,50,000
Profit and loss account	30,000	Stock	2,00,000
General reserve	40,000	Debtors	1,00,000
12% debentures	4,20,000	Bills receivables	20,000
Creditors	1,00,000	Marketable securities	20,000
Bills payable	50,000	Cash at bank	60,000
	9,40,000		9,40,000

3) following is the Balance sheet of the company as on 31 march 2021:

Calculate:

1) Current ratio 2) quick ratio 3) debt equity ratio 4) proprietary ratio 5) capital gearing ratio.

Current ratio= current assets/current liabilitiesx100 CA= Stock+debtors+B/R+MS+Cash 2,00,000+1,00,000+20,000+20,000+60,000= 4,00,000 CL= creditors +B/P 1,00,000+50,000=1,50,000 4,00,000/1,50,000X100= 8:3 OR 266.67% Quick ratio= Liquid assets/liquid liabilitiesx100 Liquid assets= debtors+BR+MS+Cash 1,00,000+20,000+20,000+60,000=2,00,000 Liquid liabilities = crediors+B/P 1,00,000+50,000=1,50,000 2,00,000/1,50,000X100= 4:3 OR 133.33% Debt equity ratio= long term debt/shareholders fundx100 Long term debt= debentures 4,20,000 Shareholders fund= ESC+PSC+PL+GR 2,00,000+1,00,000+30,000+40,000=3,70,000 4,20,000/3,70,000X100= 42:37 OR 113.51% Proprietary ratio= shareholders fund/total assetsx100 Shareholders fund= 3,70,000 Total assets= 9,40,000 3,70,000/9,40,000x100= 37:94 or 39.36% Capital gearing ratio= Equity shareholders fund/fixed interest bearing fundsx100 ESH Fund= ESC+PL+GR 2,00,000+30,000+40,000=2,70,000 Fixed int bearing fund= debentures+PSC 4,20,000+1,00,000=5,20,000 2,70,000/5,20,000X100= 27:52 OR 51.92%

4) following is the summarized balance sheet of ABC limited as on 31 march 2021:

Liabilities	Amount₹	Assets	Amount₹
ESC	2,50,000	Goodwill	20,000
6% PSC	1,50,000	Building	2,50,000
General reserve	20,000	Machinery	1,75,000
Profit and loss account	15,000	Furniture	10,000
5% debentures	1,00,000	Stock	90,000
Bills payable	12,000	Debtors	21,000
Creditors	28,000	Bank	5,000
		Preliminary expenses	4,000
	5,75,000		5,75,000

Additional information:

- a) Total sales 4,00,000 of which 20% is made on credit.
- b) Gross profit for the year amounted to 80,000 and net profit 20,000. Calculate:

1. Current ratio 2. Liquid ratio 3. Debt equity ratio 4. Gross profit ratio 5. Net profit ratio 6. Proprietary ratio.

Current ratio= current assets/current liabilitiesx100

CA= Stock+debtors+bank 90,000+21000+5000=1,16,000

CL= B/P+Creditors 12,000+28,000= 40,000

1,16,000/40,000x100= 290% or 29:10

Liquid ratio= Liquid assets/liquid liabilitiesx100

LA= Debtors+bank 21,000+5000= 26,000

LL= Crediors +BP 12,000+28,000=40,000

26,000/40,000x100=65% or 13:20

Debt equity ratio= long term debt/shareholders fundx100

Long term debt= debentures 1,00,000

SHF= ESC+PSC+PL+GR- P exp 2,50,000+1,50,000+20,000+15,000-4000=4,31,000

1,00,000/4,31,000x100= 23.20% or 1:4.31

Gross profit ratio= gross profit/net sales x100

80,000/4,00,000x100= 20% or 1:5

Net profit ratio= net profit/sales x100

20,000/4,00,000x100= 5% or 1:20

Proprietary ratio= shareholders fund/ total assetsx100

SHF= 4,31,000

TA= 575000-4000=571000

4,31,000/5,71,000x100=75.48% or 43.1: 57.1

5) from the given data, calculate:

1) Gross profit ratio 2) net profit ratio 3) inventory turnover ratio 4) working capital ratio 5) quick ratio 6) proprietary ratio. ₹

Sales	25,20,000
Cost of sales	19,20,000
Net profit	3,60,000
Inventory	8,00,000
Other current assets	7,60,000
Fixed assets	14,40,000
Net worth	15,00,000
Debt	9,00,000
Current liabilities	6,00,000

Gross profit ratio= gross profit /sales x100

GP= Sales- cost of sales 25,20,000- 19,20,000= 6,00,000

6,00,000/25,20,000x100=23.81% or 10:42

Net profit ratio= net profit/salesx100 3,60,000/25,20,000x100= 14.29% or 1:7

Stock turnover ratio= cost of goods sold/avg stock x100

19,20,000/8,00,000x100= 240% or 24:1

Working capital ratio= CA/CL X100

CA= Inventory+other CA 8,00,000+7,60,000= 15,60,000

CL= 6,00,000

15,60,000/6,00,000X100= 260% OR 13:5

Quick ratio= LA/LLX100

LA= Other current assets 7,60,000

LL= CL 6,00,000

7,60,000/6,00,000X100= 126.67% OR 19:15

Proprietary ratio= Shareholders fund/total assetsX100

SHF= Networth 15,00,000

TA= FA+Inventory+other current assets 14,40,000+8,00,000+7,60,000= 30,00,000

15,00,000/30,00,000x100= 1:2 OR 50%

6) The following are the summarized profit and loss account and Balance sheet of Bharath limited.

To opening stock	1,00,000	By sales	8,00,000
To purchases	6,00,000	By closing stock	2,00,000
To gross profit	3,00,000		
	10,00,000		10,00,000
To operating	2,00,000	By gross profit	3,00,000
expenses			
To non- operating	10,000		
expenses			
To net profit	90,000		
	3,00,000		3,00,000

Profit and	loss	account
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Balance Sheet

Liabilities	Amount₹	Assets	Amount ₹
25,000 equity shares of 10	2,50,000	Land and building	1,30,000
each			
Reserves	70,000	Plant and machinery	1,30,000
Profit and loss account	60,000	Stock	1,20,000
Bills payable	20,000	Debtors	95,000
Creditors	1,00,000	Cash	25,000
	5,00,000		5,00,000

Calculate 1) current ratio 2) operating ratio 3) stock turnover ratio 4) net profit ratio 5) proprietary ratio 6) gross profit ratio.

Current ratio= current assets/current liabilities x100

CA= Stock+debtors+cash 1,20,000+95,000+25,000= 2,40,000

CL= BP+creditors 20,000+1,00,000=120000

2,40,000/1,20,000x100= 200% or 2:1

Operating ratio= cost of goods sold+operating exp/salesx100 Cost of goods sold= sales- gross profit 8,00,000- 3,00,000=5,00,000 Operating exp= 2,00,000 5,00,000+ 2,00,000= 7,00,000= 7,00,000/8,00,000x100= 87.5% or 7:8

Stock turnover ratio= cost of goods sold/ avg inventory x100

Avg inventory= opening stock+ closing stock/2 =1,00,000+2,00,000=3,00,000/2=1,50,000

5,00,000/1,50,000x100= 333.33% or 10:3

Net profit ratio= net profit/salesx100

90,000/8,00,000x100= 11.25% or 9:80

Proprietary ratio= shareholders fund/total assetsx100

SHF= ESC+P/L+Reserves 2,50,000+70,000+60,000=3,80,000

TA= 5,00,000

3,80,000/5,00,000X100=76% OR 19:25

Gross profit ratio= GP/SALESX100

3,00,000/8,00,000x100= 37.5% or 3:8

7) the following are the summarized profit and loss account of ABC Limited for the year ending 31 march 2021 and the Balance sheet as on that date:

Particulars	Amount	Particulars	Amount₹
	₹		
To opening stock	99,500	By sales	8,50,000
To purchases	5,45,250	By closing stock	1,49,000
To incidental expenses	14,250		
To gross profit	3,40,000		

	9,99,000		9,99,000
To operating expenses:		By gross profit	3,40,000
Selling and distribution			
exp			
Administration expenses	30,000		
Financial expenses	1,50,000		
	15,000		
To non- operating		By non- operating income:	9,000
expenses: -		Interest	
Loss on sale of shares	4,000	3,000	
		Profit on sale of shares	
		6,000	
To net profit	1,50,000		
	3,49,000		3,49,000

Balance Sheet as on 31-03-2021

Liabilities	Amount ₹	Assets	Amount ₹
ESC of Rs 10	2,00,000	Land and	1,50,000
each		building	
Reserves	90,000	Plant and	80,000
		machinery	
Current liabilities	1,30,000	Stock	1,49,000
Profit and loss a/c	60,000	Debtors	71,000
		Cash and bank	30,000
	4,80,000		4,80,000

You are required to calculate:

1) Gross profit ratio 2) Net profit ratio 3) Operating ratio 4) Current ratio 5) Acid test ratio 6) Proprietary ratio.

Gross profit ratio= gross profit/salesx100

3,40,000/8,50,000x100= 40% or 2:5

Net profit ratio= net profit/sales x100

1,50,000/8,50,000x100= 17.65% or 3:17

Operating ratio= cost of goods sold+ operating exp/ sales x100

Cost of goods sold= sales- gross profit= 8,50,000-3,40,000=5,10,000

Operating exp= selling and d + administration+ finance exp= 30,000+1,50,000+15,000= 195000

5,10,000+195000=7,05,000/850000x100=82.94% or 141:170

Current ratio= current assets/current liabilitiesx100 CA= stock+ debtors+ cash = 1,49,000+71,000+30,000=250000 CL= 1,30,000 2,50,000/1,30,000X100= 192.31% OR 25:13

Acid test ratio= Liquid assets/liquid liabilities x100 LA= debtors +cash 71,000+30,000= 101000 LL= 1,30,000 1,01,000/1,30,000X100= 77.69% OR 10.1 :13 Proprietary ratio= shareholders fund/total assetsx100 SHF= ESC+P/L+Reserves 2,00,000+60,000+90,000= 3,50,000 TA= 4,80,000 3,50,000/4,80,000x100= 72.92% or 3.5:4.8

8) calculate the following ratios for the years 2020 and 2021 using the figures made available:

1) liquidity ratio 2) current ratio 3) debt equity ratio 4) proprietary ratio 5) stock turnover ratio 6) capital gearing ratio.

Liabilities	2020₹	2021₹	Assets	2020₹	2021₹
Paid up capital	1,00,000	1,00,000	Fixed assets	2,17,200	2,19,810
Reserves and	67,250	84,500	Stock	56,160	49,460
surplus					
Debentures	1,00,000	1,00,000	Debtors	11,260	11,710

## Balance sheet as at 31 march

Bills payable		6,500	Cash		
	12,750			15,380	26,020
Creditors	20,000	16,000			
	3,00,000	3,07,000		3,00,000	3,07,000

Cost of goods sold for 2020 and 2021 ₹ 1,80,000 and ₹ 1,95,000 respectively.

- Liquid ratio= liquid assets/ liquid liabilitiesx100 2020=LA= debtors+ cash 11,260+ 15380= 26,640 LL= B/P+ Creditors 12,750+ 20,000= 32,750 26,640/32,750x100=81.34% or 0.81:1 2021= LA= 11,710+ 26,020= 37,730 LL= 6,500+16000= 22500 37,730/22500X100= 167.69% OR 1.68:1
- 2 . Current ratio= current assets/ current liabilities x100

2020 CA= Stock+ debtors+ cash 56160+ 11260+15380= 82,800

CL= BP+Crs 12,750+ 20,000= 32,750

82800/ 32,750x100= 252.82% or 2.53:1

2021= 49,460+ 11,710+ 26020= 87190 CA

6500+ 16000= 22500 CL

87190/22500X100= 387.51% OR 3.88:1

3 Debt equity ratio= long term debt/ shareholders fundx100 2020= LTD= debentures 1,00,000 SHF= SC+R&S 1,00,000+ 67,250= 167250 1,00,000/ 167250X100= 59.79% OR 0.58:1 2021 = LTD = Debentures 1.00,000SHF= 1,00,000+ 84500= 184500 1,00,000/184500X100=54.20 OR 0.54:1 4. Proprietary ratio= shareholders fund/total assets. 2020= SHF= 1,67,250 TA= 3,00,000 1,67,250/3,00,000X100= 55.75% OR 0.56:1 2021= SHF= 184500 TA= 307000 1,84,500/3,07,000X100= 60.09% OR 0.6:1 5. Stock turnover ratio= cost of goods sold/avg stock x1002020= COGS= 1,80,000 Avg stock=56160 1,80,000/56,160x100= 320.51% or 3.2:1 2021= COGS= 195000 Avg stock (56,160+49460/2) 52,810 195000/ 52,810x100= 369.25% or 3.7:1

6. capital gearing ratio= equity shareholders fund/fixed int bearing fundx100

2020= ESF= 1,67,250/ 1,00,000X100= 167.25% OR 1.67:1

2021= ESF 1,84,500/1,00,000X100= 184.5% OR 1.84:1

9) from the following statement of gold limited for the year ended 31 march 2021, you are required to compute the following ratio:

1) current ratio 2) liquid ratio 3) operating ratio 4) stock turnover ratio 5) gross profit ratio 6) net profit ratio.

Liabilities	Amount ₹	Assets	Amount ₹
1,00,000 Equity	5,00,000	Land and	3,50,000
shares of ₹ 5 each		building	
General reserve	3,00,000	Plant and	2,50,000
		machinery	
Profit and loss	2,00,000	Stock	3,00,000
account			
Creditors	2,00,000	Debtors	2,00,000
		Cash at bank	1,00,000
	12,00,000		12,00,000

Balance sheet as on 31-03-2021

Profit and loss account for the year ending 31-03-2021

Particulars	Amount	Particulars	Amount ₹
	₹		
To opening stock	1,00,000	By sales	16,00,000
To purchases	8,00,000	By closing stock	
			2,00,000
To gross profit	9,00,000		
	18,00,000		18,00,000
To office and	2,00,000	By gross profit	9,00,000
administration expenses			
To selling and distribution	1,00,000	By profit on sale of	25,000
		assets	
To other expenses	25,000		
To net profit	6,00,000		
	9,25,000		9,25,000

 Current ratio= current assets/current liabilities x100 CA= Stock+ debtors+cash 3,00,000+2,00,000+1,00,000=6,00,000 CL= creditors 2,00,000 6,00,000/2,00,000x100= 300% or 3:1
 Liquid ratio= liquid assets/ liquid liabilities x100

LA= debtors + cash 2,00,000+1,00,000=3,00,000 LL= creditors 2,00,000

3,00,000/2,00,000x100= 3:2 or 150%

 3) Operating ratio= cost of goods sold+ operating exp/ net sales x100 Cost of goods sold= sales - gross profit 16,00,000- 9,00,000= 7,00,000

Operating exp= office & adm exp+ selling exp+ other expenses 2,00,000+ 1,00,000+25000= 325000

- 7,00,000+ 3,25,000= 10,25,000/16,00,000x100= 64.1% or 0.64:1
- 4) Stock turnover ratio= cost of goods sold/ avg stock x100 COGS= Sales - GP 16,00,000- 9,00,000= 7,00,000 Avg stock= o.stock+ c.stock/2 1,00,000+2,00,000= 3,00,000/2= 1,50,000
  7.00,000/1,50,000,100, 466 670(-4.67.1)
  - 7,00,000/1,50,000x100= 466.67% or 4.67:1
- 5) Gross profit ratio= gross profit/sales x100 9,00,000/ 16,00,000x100= 56.25% or 0.56:1
- 6) Net profit ratio= net profit/ sales x1006,00,000/ 16,00,000x100= 37.5% or 0.38:1

10) From the following financial statement of Star limited.

Calculate:

 Liquid ratio 2) working capital ratio 3) operating ratio 4) proprietary ratio 5) debt equity ratio 6) net profit ratio 7) stock turnover ratio 8) capital gearing ratio.

Profit and loss account for the year ending 31-03-2021.

Particulars	Amount ₹	Particulars	Amount ₹	
To opening stock	5,00,000	By sales	20,00,000	
To purchases	11,00,000	By closing stock	6,00,000	
To manufacturing	5,00,000			
expenses				
To gross profit	5,00,000			
	26,00,000		26,00,000	
To administrative exp	75,000	By gross profit	5,00,000	
To selling expenses	50,000	By dividend	10,000	
		investment		
To debenture interest	20,000	By profit on sale	20,000	
		of furniture		
To depreciation	60,000			
To loss on sale of	5,000			
motor car				
To net profit	3,20,000			
	5,30,000		5,30,000	
To provision for	1,76,000	By balance B/F	2,56,000	
taxation		-		
To balance C/F	4,00,000	By net profit	3,20,000	
	5,76,000		5,76,000	
Balance sheet as on 31 march 2021				

Liabilities	Amount	Assets	Amount
	₹		₹
Equity share capital	10,00,000	Goodwill	5,00,000
6% preference share	5,00,000	Land and building	7,00,000
capital			
General reserve	1,00,000	Plant and machinery	6,00,000

Profit and loss account	4,00,000	Furniture	1,00,000
10% debentures	2,00,000	Stock	6,00,000
Provision for Tax	1,76,000	Bills receivable	30,000
Bank overdraft	2,00,000	Debtors	1,50,000
Creditors	2,00,000	Cash and bank	2,20,000
Bills payable	1,24,000		
Total	29,00,000		29,00,000

Liquid ratio= Liquid assets/ liquid liabilities x100

LA = B/R + debtors + cash and bank

30,000+1,50,000+2,20,000= 4,00,000

LL= B/P+ creditors+ taxation provision 1,24,000+2,00,000+1,76,000= 5,00,000

4,00,000/5,00,000x100= 80% or 0.8:1

Working capital ratio= Current assets/ current liabilities x100

CA= B/R+ debtors+ cash and bank+ stock 30,000+ 150000+2,20,000+6,00,000= 10,00,000

CL= B/P+ Creditors+ tax provision+ Bank overdraft 1,24,000+ 2,00,000+1,76,000+ 2,00,000= 7,00,000

10,00,000/7,00,000x100= 142.86% or 1.43:1

Operating ratio= cost of goods sold+ operating exp/ net salesx100

Cost of goods sold= sales - gross profit 20,00,000- 5,00,000= 15,00,000

Operating exp= Adm exp+ selling exp+ depreciation+ deb int

75,000+ 50,000+ 60,000+ 20,000= 2,05,000

15,00,000+2,05,000=17,05,000/20,0000x100=85.25% or 0.9:1 Proprietary ratio= shareholders funds/ total assets x100 SHF= ESC+ PSC+GR+P/L 10,00,000+5,00,000+1,00,000+ 4,00,000=20,00,000 TA= 29,00,000 20,00,000/29,00,000X100= 68.97% OR 0.69:1 Debt equity ratio= long term debt/ shareholders fundx100 Long term debt= 10% deb 2,00,000 SHF= 20,00,000 2,00,000/20,00,000X100= 10% OR 0.1:1 Net profit ratio= net profit after tax/net sales x100 NP after tax= 3,20,000- 1,76,000= 1,44,000/20,00,000x100= 7.2% or 0.07:1 Stock turnover ratio= cost of goods sold/ avg stock x100 COGS= 15,00,000Avg stock= ostock+ cstock/2 5,00,000+6,00,000/2= 5,50,000 15,00,000/5,50,000x100= 272.73% or 2.73:1 Capital gearing ratio= Equity shareholders fund/ fixed int bearing funds ESF= ESC+ GR+P/L 10,00,000+1,00,000+ 4,00,000=15,00,000 Fixed int bearing fund= PSC+Debentures 5,00,000+2,00,000=7,00,000 15,00,000/7,00,000x100 = 214.29% or 2.14:1

11) from the following information find out:
a) current assets b) liquid assets c) inventory
current ratio 2.5:1 acid test ratio 1.5:1 current liability ₹4,00,000
CR= CA/CLX100
2.5:1 CL= 4,00,000
CA= 4,00,000X2.5= 10,00,000
LR= LA/LLX100
LA= 1.5:1 LL= 4,00,000

LA= 4,00,000X1.5= 6,00,000 Inventory= CA-LA 10,00,000-6,00,000=4,00,000

12) Granthik limited has a current ratio of 4.5:1 and quick ratio of 3:1. if its inventory is  $\gtrless$  72,000. find out its total current assets and total current liabilities.

CR=CA/CL 4.5:1 QR= LA/LL 3:1 CA-LA 4.5-3=1.5 = 72,000 Inventory 72,000/1.5= 48,000 CL= 48,000 CA= 48,000X4.5= 2,16,000 13) current liabilities of a company are  $\gtrless$  3,00,000 its current ratio is 3:1 and quick ratio is 1:1 calculate the value of stock in trade, current assets and liquid assets.

CR = CA/CL 3:1

CL= 3,00,000 X 3= 9,00,000 CA. QR= QA/QL 1:1 CL/QL= 3,00,000 QA= 3,00,000 Stock= CA-LA 9,00,000- 3,00,000= 6,00,000 Stock.

14) the following information of xyz limited is given below.

Current ratio 2.5:1 Acid test ratio 1.5:1 working capital ₹60,000 bank overdraft ₹10,000.

Find out a) current assets b) current liabilities c) liquid assets d) stock.

WC= CA-CL= Networking capital 2.5:1 2.5-1= 1.5 =60,000 CA= 1,00,000 CL= 40,000 CA-LA=Stock 2.5- 1.5=1 Stock=40,000 LA= CA-Stock 1,00,000- 40,000= 60,000