NAME: OKOYE OLUCHI TELMA

DEPARTMENT: ACCOUNTING

MATRIC NUMBER: 17/SMS02/043

COURSE: INTERMEDIATE IDIATE FINANCIAL ACCOUNTING 2 (ACC302)

ASSIGNMENT

An analysis of the ratio formula of the company's financial statements previously submitted;

S/N RATIOS FORMULA

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS
   A. CURRENT RATIOS
      =CURRENT ASSETS
      CURRENT LIABILITIES
   B. QUICK ASSET
      =CURRENT ASSETS –INVENTORY
      CURRENT LIABILITIES
   C. RECEIVABLES COLLECTION PERIOD
      =TRADE RECEIVEABLES*365 DAYS
      CREDIT SALES
   D. PAYABLE PAYMENT PERIOD
      = TRADE PAYABLES*365DAYS
      CREDIT PURCHASES
   E. INVENTORY TURNOVER PERIOD
      = AVERAGE INVENTORY*365DAYS
      COST OF SALES
   F. RECEIVEABLES TURNOVER
      = CREDIT SALES
      RECEIVEABLES

G. PAYABLES TURNOVER

= CREDIT PURCHASES / PAYABLES

H. INVENTORY TURNOVER

= COST OF SALES / AVERAGE INVENTORY

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFRET TAX / EQUITY (SHAREHOLDERS FUND)

B. GROSS PROFIT MARGIN

= GROSS PROFIT / SALES *100%

C. NET PROFIT MARGIN

= NET PROFIT / SALES *100

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE / EARNINGS PER SHARE

C. EARNINGS YEILD

= EPS / MPS

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES / NO OF ORDINARY SHARE IN ISSUE

E. DIVIDEND PER SHARE

=GROSS DIVIDEND / NO OF ORDINARY SHARES

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100 / EARNINGS PER SHARE

G. DIVIDEND YEILD

= DPS*100

MPS

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND
GROSS DIVIDEND

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT
TOTAL CAPITAL

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES
EQUITY

a. OMATEK VENTURES PLC (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS
CURRENT LIABILITIES

= 3,487
4,425 =0.7880

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY
CURRENT LIABILITIES

= 3,487-0
4,425 =0.7880

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS
CREDIT SALES

= 3,487*365
80,000 =15.91

D. PAYABLE PAYMENT PERIOD

= TRADE PAYABLES*365DAYS

CREDIT PURCHASES

=4,357*365

0 =0

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

=0*365

0 =0

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

= 80,000

3,487 =22.9

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

= 0

4,357 =0

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

= 0

0 =0

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFRET TAX

EQUITY (SHAREHOLDERS FUND)

= 1,045

3,046 =0.34

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

=80*100%

80,000 =0.1

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

= 1,042*100

80,000 =1.30

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

= 0.39

0.39 =1

C. EARNINGS YEILD

= EPS

MPS

= 0.39

0.39 =1

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 5,288-0

1,471 =3.59

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

=0

1,471 =0

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 0*100

0.39 =0

G. DIVIDEND YEILD

= DPS*100

MPS

=0*100

0.39 =0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

= 1,045-0

0 =0

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

= 1,801

5,288 =0.34

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

=1,801+4,425

3,046 =2..43

B. MTN (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS

CURRENT LIABILITIES

=58,038

72,570 =0.80

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY

CURRENT LIABILITIES

= 58,038-2,995

72,570 =0.76

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS

CREDIT SALES

= 26,669*365

134,560 =72.3

D. PAYABLE PAYMENT PERIOD

= <u>TRADE PAYABLES*365DAYS</u>

CREDIT PURCHASES

=<u>48,354*365</u>

23,576 =749

E. INVENTORY TURNOVER PERIOD

= <u>AVERAGE INVENTORY*365DAYS</u>

COST OF SALES

<u>= 2,995*365</u>

23,576 =46

F. RECEIVEABLES TURNOVER

= <u>CREDIT SALES</u>

RECEIVEABLES

= <u>134,560</u>

26,669 =5.05

G. PAYABLES TURNOVER

= <u>CREDIT PURCHASES</u>

PAYABLES

=<u>23,576</u>

48,354 =0.49

H. INVENTORY TURNOVER

= <u>COST OF SALES</u>

AVERAGE INVENTORY

=<u>23,576</u>

2,995 =7.87

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=<u>PROIFIT AFTER TAX</u>

EQUITY (SHAREHOLDERS FUND)

=<u>9,578</u>

88,226 =0.11

B. GROSS PROFIT MARGIN

= <u>GROSS PROFIT</u>*100%

SALES

<u>= 0*100</u>

134,560 =0

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

=0*100

134,560 =0

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

=478

485 =0.9856

C. EARNINGS YEILD

= EPS

MPS

= 485

478 =1.0146

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 58,038-0

1,884,269,758 =0

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

= 0

1,884,269,758 =0

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 325*100

485 =67.0

G. DIVIDEND YEILD

= DPS*100

MPS

= 325*100

478 =67.0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

=9,578-0

0 =0

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

=0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

=83,811+72,570

88,226. =1.77

C. CAPITAL HOTELS PLC (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS

CURRENT LIABILITIES

=5,698,295

2,630,478 =2.17

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY

CURRENT LIABILITIES

= 5,698,295-141,990

2,630,478 =2.11

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS

CREDIT SALES

= 1,620,077*365

5,977,436 =99

D. PAYABLE PAYMENT PERIOD

= TRADE PAYABLES*365DAYS

CREDIT PURCHASES

= 2,378,096*365

4,869,732 =178

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

= 141,990*365

4,869,732 =10.6

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

=5,977,436

1,620,077 =3.69

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

=4,869,732

2,378,096 =2.05

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

= 4,869,732

141,990 =34.3

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFRET TAX

EQUITY (SHAREHOLDERS FUND)

= 379,946

6,416,983 =0.1

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

= 1,107,704*100%

5,977,436 =18.5

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

= 437,010*100

5,977,436 =7.31

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

= 0.25

0.25 =0

C. EARNINGS YEILD

= EPS

MPS

= 0.25

0.25 =0

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 10,076,819-0

0 =0

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

= 0

0 =0

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 0*100

0.25 =0

G. DIVIDEND YEILD

= DPS*100

MPS

= 0*100

0.25 =0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

= 379,946-0

0 =0

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

=0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

= 4,378,524+2,630,478

6,416,983 =1.1

D. ABC TRASPORT PLC (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

= CURRENT ASSETS

CURRENT LIABILITIES

= 751,579

1,392,283 =

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY

CURRENT LIABILITIES

= 751,579-224,394

1392,283, =

C. RECEIVABLES COLLECTION PERIOD

$$= \frac{\text{TRADE RECEIVEABLES*365 DAYS}}{\text{CREDIT SALES}}$$

$$= \frac{279{,}637*365}{4{,}083{,}653} =$$

D. PAYABLE PAYMENT PERIOD

$$= \frac{\text{TRADE PAYABLES*365DAYS}}{\text{CREDIT PURCHASES}}$$

$$= \frac{678{,}920*365}{3{,}314{,}542} =$$

E. INVENTORY TURNOVER PERIOD

$$= \frac{\text{AVERAGE INVENTORY*365DAYS}}{\text{COST OF SALES}}$$

$$= \frac{224{,}394*365}{3{,}314{,}542} =$$

F. RECEIVEABLES TURNOVER

$$= \frac{\text{CREDIT SALES}}{\text{RECEIVEABLES}}$$

$$= \frac{4{,}083{,}653}{279{,}637} =$$

G. PAYABLES TURNOVER

$$= \frac{\text{CREDIT PURCHASES}}{\text{PAYABLES}}$$

$$= \frac{3{,}314{,}542}{678{,}920} =$$

H. INVENTORY TURNOVER

$$= \frac{\text{COST OF SALES}}{\text{AVERAGE INVENTORY}}$$

$$= \frac{3{,}314{,}542}{224{,}394} =$$

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

$$= \frac{\text{PROIFIT AFTER TAX}}{\text{EQUITY (SHAREHOLDERS FUND)}}$$

$$= \frac{175{,}523}{}$$

1,564,582 =

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

=769,112*100%

4,083,653 =

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

=175,523*100

4,083,653 =

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

=11

11 =0

C. EARNINGS YEILD

= EPS

MPS

=11

11 =0

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

=3,330,473-0

0 =

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

=0

0 =0

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

=0*100

11 =

G. DIVIDEND YEILD

= DPS*100

MPS

= 0*100

11 =

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

=32,453-0

0 =

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

=0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

= 380,075+2,249,247

1,558,307 =

E. NESTLÉ NIGERIA PLC RATIO ANALYSIS FOR THE YEAR 2018

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS

CURRENT LIABILITIES

= 82,734,317

92,117,501 =0.9

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY

CURRENT LIABILITIES

=82,734,317-23,124,020

92,117,501 = 0.65

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS

CREDIT SALES

= 42,175,062 x 365 days

266,274,621 =58Days

D. PAYABLE PAYMENT PERIOD

= TRADE PAYABLES*365DAYS

CREDIT PURCHASES

=60,384,454x 365 days

152, 354,445 =147Days

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

=23,124,020x 365 days

152,354,445 =114Days

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

=266,274,621

42,175,062 =6 Times

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

=152,354,445

60,384,454 =3 Times

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

=152,354,445

23,124,020 =7 Times

2. EFFICIENCY /PROFITABILITY RATIO
   A. RETURNS ON CAPITAL EMPLOYED

   =PROIFIT AFRET TAX

   EQUITY (SHAREHOLDERS FUND

   =59,750,846

   (162,334,422-92,117,507)

   =59,750,846

   70,216,921 =0.85

   B. GROSS PROFIT MARGIN

   = GROSS PROFIT*100%

   SALES

   =113,920,176x 100

   266,274,621 =43%

   C. NET PROFIT MARGIN

   = NET PROFIT*100

   SALES

   =43,008,026x 100

   266,274,621 =16%

3. INVESTOR/SHAREHOLDERS RATIO
   A. EARNINGS PER SHARE (given)

   =43,008,026,000

   792,652,252 =54.2

   B. PRICE EARNING RATIO

   = MARKET PRICE PER SHARE

   EARNINGS PER SHARE

   =1,485

   54.2 =27.3

   C. EARNINGS YEILD

   = EPS

   MPS

   = 54.2

   1,485 =0.04

   D. NET ASSETS PER SHARE

   =NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

=<u>(162,334,422,000-112,113,936,000)</u>

792,652,252

=<u>50,220,486</u>

792,652,252 =₦63.4

E. DIVIDEND PER SHARE

=<u>GROSS DIVIDEND</u>

NO OF ORDINARY SHARES

=<u>37,661,172,000</u>

792,652,252 =₦47.5

F. DIVIDEND PAYOUT RATIO

= <u>DIVIDEND PER SHARE*100</u>

EARNINGS PER SHARE

=<u>47.5</u>x100

54.2 =87.6%

G. DIVIDEND YEILD

<u>= DPS</u>*100

MPS

=<u>47.5</u>x100

1,485 =3.2%

H. DIVIDEND COVER

= <u>PROFIT AFTER TAX- PREFERENCE DIVIDEND</u>

GROSS DIVIDEND

=<u>43,008,026</u>

37,661,172 =1.1

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=<u>DEBT</u>

TOTAL CAPITAL

=<u>19,996,435</u>

50,220,486 =0.40

B. TOTAL DEBT TO SHAREHOLDERS FUND

= <u>NON CURRENT LIABILITIES + CURRENT LIABILITIES</u>

EQITY (SHAREHOLDERS FUND)

<u>=19,996,435+92,117,501</u>

50,220,486

=<u>112,113,936</u>

50,220,486 =₦2.2

F. NIGERIAN BREWERIES PLC (2017)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=<u>CURRENT ASSETS</u>

CURRENT LIABILITIES

= <u>87,491,662</u>

156,698,905 =0.558

B. QUICK ASSET

=<u>CURRENT ASSETS –INVENTORY</u>

CURRENT LIABILITIES

= <u>87,491,662-42,728,862</u> =<u>44,762,800</u>

156,698,905 156,698,905 =0.2857

C. RECEIVABLES COLLECTION PERIOD

=<u>TRADE RECEIVEABLES*365 DAYS</u>

CREDIT SALES

=<u>20,384,112*365</u> =<u>7,440,200,880</u>

344,562,517 344,562,517 =21.5931

D. PAYABLE PAYMENT PERIOD

= <u>TRADE PAYABLES*365DAYS</u>

CREDIT PURCHASES

= <u>128,646,043*365</u>

201,013,357 =234

E. INVENTORY TURNOVER PERIOD

= <u>AVERAGE INVENTORY*365DAYS</u>

COST OF SALES

= <u>42,728,862*365</u>

201,013,357 =76

F. RECEIVEABLES TURNOVER

= <u>CREDIT SALES</u>

RECEIVEABLES

=<u>344,562,517</u>

551,862 =624

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

=201,013,357

128,646,043 =1.6

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

=201,013,357

42,728,862 =4.7

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFTER TAX

EQUITY (SHAREHOLDERS FUND)

= 33,009,292

178,150,934 =0.2

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

= 143,549,160*100%

344,562,517. =41.7

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

= 10,553,997*100

344,562,517 =3.1

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

= 414

413 =1.0024

C. EARNINGS YEILD

= EPS

MPS

=413

414 =0.9976

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 382,726,540-0

8,854,143 =43.2

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

= 28,453,982

8,854,143 =3.2

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 0*100

413 =0

G. DIVIDEND YEILD

= DPS*100

MPS

=0*100

414 =0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

= 33,009,292-0

28,453,982 =1.16

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

=0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

= 295,234,878+156,698,905

178,150,934 =2.54

G. JULIUS BERGER

1. SHORT TERM SOLVENCY /LIQUIDITY RATIOS

A. Current Ratio

$$= \frac{\text{Current Assets}}{\text{Current Liabilities}}$$

$$= \frac{125{,}039{,}446}{73{,}196{,}234}$$

= 1.71

=1

B. Quick Assets ratio or Acid Test Ratio

$$= \frac{\text{Current Assets-Inventory}}{\text{Current Liabilities}}$$

$$= \frac{125{,}039{,}446 - 11{,}304{,}296}{73{,}196{,}234}$$

=1.55

= 1

C. Receivables Collection Period

$$= \frac{\text{Average Trade Receivables}}{\text{Credit Sales}} \times 365 \text{ days}$$

$$= \frac{91{,}108{,}522}{170{,}326{,}746} \times 365 \text{ days}$$

=195.2

=195

D. Payables Payment Period

$$= \frac{\text{Average Trade Payables}}{\text{Credit Purchases}} \times 365 \text{ days}$$

$$= \frac{8{,}471{,}491}{132{,}254{,}711} \times 365 \text{ days}$$

=23.4

= 23

E. Inventory Turnover Period

$$= \frac{\text{Average Trade Inventory}}{\text{Cost of Sales}} \times 365 \text{ days}$$

$$= \frac{11,304,296}{132,254,711} \times 365 \text{ days}$$

$= 31.2$

$=32$

F. Receivables Turnover

$$= \frac{\text{Credit Sales}}{\text{Average Receivables}} \times 365 \text{ days}$$

$$= \frac{170,326,746}{91,108,522} \times 365 \text{ days}$$

$=682.3$ $= 682$ days

G. Payables Turnover $= \frac{\text{Credit Purchases}}{\text{Average Payables}} \times 365$ days

$$=\frac{132,254,711}{8,471,491} \times 365 \text{ days}$$

$=5698.2$

$= 5698$ days

H. Inventory Turnover $= \frac{\text{Cost of Sales}}{\text{Average Inventory}} \times 365$ days

$$= \frac{132,254,711}{11,304,296} \times 365 \text{ days}$$

$= 4270.3$

$=4270$days

2. EFFICIENCY/PROFITABILITY RATIO

A. Return on Capital Employed

$$= \frac{\text{Profit (Return)}}{\text{Capital Employed}}$$

$$= \frac{6,630,667}{194,864,153}$$

$= 0.03$

Capital Employed = Total Assets – Current Liabilities

$=268,060,387 – 73,196,234$

$=194,864,153$

B. Gross Margin

$$= \frac{\text{Gross Profit}}{\text{Sales}} \times 100\%$$

$= \underline{38,072,035} \times 100\%$

170,326,746

= 22.3

C. Net Profit Margin

$$= \frac{\text{Net Profit}}{\text{Sales}} \times 100\%$$

$$= \frac{4{,}641{,}627}{132{,}254{,}711} \times 100\%$$

= 3.51

D. Expenses Percentage

$$= \frac{\text{Individual Expenses}}{\text{Total Expenses}} \times 100\%$$

$$= \frac{78{,}012}{20{,}834{,}381} \times 100\%$$

= 3.74

=4

E. Expenses to Sales

$$= \frac{\text{Individual Expenses}}{\text{Sales}} \times 100\%$$

$$= \frac{78{,}012}{170{,}326{,}746} \times 100\%$$

=4.58

=5%

3. INVESTORS/SHAREHOLDERS RATIOS

A. Earnings Per Share

$$= \frac{\text{Profit after Tax} - \text{Preference Dividend}}{\text{Number of Ordinary Shares}}$$

$$= \frac{4{,}641{,}627 - 1{,}322{,}000}{1{,}320{,}000}$$

=2.51

B. Price Earnings Ratios

$$= \frac{\text{Market Per Share}}{\text{Earnings Per Share}}$$

$$= \frac{0.50}{2.51}$$

= 0.20

C. Earnings Yield

$$= \frac{\text{Earnings Per Share}}{\text{Market Per Share}}$$

$$= \frac{2.51}{0.50}$$

$$= 5.02$$

D. Net Assets Per Share

$$= \frac{\text{Net Assets-Preference Share Capital}}{\text{No. of Ordinary Share}}$$

$$= \frac{16{,}710{,}922}{1{,}320{,}000}$$

$$= 12.66$$

E. Dividends Per Share

$$= \frac{\text{Gross Dividends}}{\text{No. of Ordinary Shares}}$$

$$= \frac{1{,}322{,}000}{1{,}320{,}000}$$

$$=1.00$$

F. Dividend Payout Ratio

$$= \frac{\text{Dividend Per Share}}{\text{Earnings Per Share}} \times 100\%$$

$$=\frac{1.00}{2.51}$$

$$= 0.40$$

G. Dividend Yield $= \frac{\text{Dividends Per Share}}{\text{Market Per Share}}$

$$= \frac{1.00}{0.50}$$

$$= 2$$

H. Dividend Cover $= \frac{\text{Profit after Tax – Preference Dividend}}{\text{Gross Dividend}}$

$$= \frac{4{,}641{,}627- 1{,}322{,}000}{1{,}322{,}000}$$

$$=2.51$$

4. LONG TERM SOLVENCY / STABILITY RATIOS

A. Gearing Ratio

= Debt

Total Capital

$= \frac{194,864,153}{660,000}$

=295.2

B. Total Debt to Shareholders' Fund = $\frac{\text{Non Current Liabilities + Current Liabilities}}{\text{Equity}}$

$= \frac{178,153,231 + 73,196,234}{16,710,922}$

$= \frac{251,349,465}{16,710,922}$

=15.04

H. DANGOTE COMPANY

1. SHORT TERM SOLVENCY /LIQUIDITY RATIOS

A. Current Ratio

$= \frac{\text{Current Assets}}{\text{Current Liabilities}}$

$= \frac{441,026}{284,759}$

=1.55

=1

B. Quick Assets ratio or Acid Test Ratio

$= \frac{\text{Current Assets-Inventory}}{\text{Current Liabilities}}$

$= \frac{441,026 - 59,820}{284,759}$

=1.34

C. Receivables Collection Period

$= \frac{\text{Average Trade Receivables}}{\text{Credit Sales}} \times 365 \text{ days}$

$= \frac{11,046}{618,301} \times 365 \text{ days}$

$= 6.52$

$= 7$

D. Payables Payment Period

$$= \frac{\text{Average Trade Payables}}{\text{Credit Purchase}} \times 365 \text{ days}$$

$$= \frac{92{,}879}{170{,}288} \times 365 \text{ days}$$

$= 199$

E. Inventory Turnover Period

$$= \frac{\text{Average Trade Inventory}}{\text{Cost of Sales}} \times 365 \text{ days}$$

$$= \frac{59{,}820}{170{,}288} \times 365 \text{ days}$$

$= 128$

F. Receivables Turnover

$$= \frac{\text{Credit Sales}}{\text{Average Receivables}} \times 365 \text{ days}$$

$$= \frac{618{,}301}{11{,}046} \times 365 \text{ days}$$

$=20431$

G. Payables Turnover

$$= \frac{\text{Credit Purchases}}{\text{Average Payables}} \times 365 \text{ days}$$

$$= \frac{170{,}288}{92{,}879} \times 365 \text{ days}$$

$= 669$ days

H. Inventory Turnover

$$= \frac{\text{Cost of Sales}}{\text{Average Inventory}} \times 365 \text{ days}$$

$$= \frac{170{,}288}{59{,}820} \times 365 \text{ days}$$

$=1039$ days

2. EFFICIENCY/PROFITABILITY RATIO

A. Return on Capital Employed $= \frac{\text{Profit (Return)}}{\text{Capital Employed}}$

$$= \frac{392{,}223}{1{,}437{,}215} = 0.27$$

Capital Employed

= Total Assets – Current Liabilities

= 1,721,974 - 284,759

= 1,437,215

B. Gross Margin

$$= \frac{\text{Gross Profit}}{\text{Sales}} \times 100\%$$

$$= \frac{448{,}013}{618{,}301} \times 365 \text{ days}$$

=264

C. Net Profit Margin

$$= \frac{\text{Net Profit}}{\text{Sales}} \times 100\%$$

$$= \frac{481{,}456}{618{,}301} \times 100\%$$

= 78

D. Expenses Percentage

$$= \frac{\text{Individual Expenses}}{\text{Total Expenses}} \times 100\%$$

$$= \frac{27{,}108}{116{,}386} \times 100\%$$

= 23.29

E. Expenses to Sales

$$= \frac{\text{Individual Expenses}}{\text{Sales}} \times 100\%$$

$$= \frac{27{,}108}{618{,}301} \times 100\%$$

= 4.38

2. INVESTORS/SHAREHOLDERS RATIOS

A. Earnings Per Share

$$= \frac{\text{Profit after Tax – Preference Dividend}}{\text{Number of Ordinary Shares}}$$

$$= \frac{481{,}456 – 178{,}925}{20{,}000}$$

= 15.12

B. Price Earnings Ratios

$= \frac{\text{Market Per Share}}{\text{Earnings per Share}}$

$= \frac{0.50}{15.12}$

= 0.03

C. Earnings Yield

$= \frac{\text{Earnings Per Share}}{\text{Market Per Share}}$

$= \frac{15.12}{0.50}$

= 30.24

D. Net Assets Per Share

$= \frac{\text{Net Assets-Preference Share Capital}}{\text{No. of Ordinary Shares}}$

Net Assets= (Total Fixed Assets + Total Current Assets) – (Total Current Liabilities + Total Long term Liabilities)

= (1,280,948 + 441,026) – (284,759 + 143,667)

=1,721,974 – 428,426

= 1293548

E. Dividends Per Share

$= \frac{\text{Gross Dividends}}{\text{No. of Ordinary Shares}}$

$= \frac{178{,}925}{20{,}000}$

= 8.95

F. Dividend Payout Ratio

$= \frac{\text{Dividend Per Share}}{\text{Earnings Per Share}} \times 100\%$

$= \frac{8.95}{30.24}$

= 0. 30

G. Dividend Yield

= Dividends Per Share / Market Per Share

= 8.95 / 0.50

= 17.9

H. Dividend Cover

= Profit after Tax – Preference Dividend / Gross Dividend

= 481,456 – 178,925 / 178,925

=1.69

3. LONG TERM SOLVENCY / STABILITY RATIOS

A. Gearing ratio

B. Total Debt to Shareholders' Fund

= Non Current Liabilities + Current Liabilities / Equity

= 143,667 + 284,759 / 1,293,548

= 0.33

I. PORTLAND AND PAINTS (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS / CURRENT LIABILITIES

=1,718,570 / 700,439 =2.5

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY / CURRENT LIABILITIES

= 1,718,570-728,047

700,439 =1.4

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS

CREDIT SALES

=476,180*365

2,829,262 =61

D. PAYABLE PAYMENT PERIOD

= TRADE PAYABLES*365DAYS

CREDIT PURCHASES

=501,988*365

1,753,972 =104

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

=728,047*365

1,753,972 =152

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

= 2,829,262

476,180 =5.9

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

= 1,753,972

501,988 =3.5

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

= 1,753,972

728,047 =24

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFRET TAX

EQUITY (SHAREHOLDERS FUND)

=100,840

1,536,981 =0.1

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

= 1,075,290*100%

2,829,262 =38.0

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

= 306,635*100

2,829,262 =10.8

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

= 26

26 =1

C. EARNINGS YEILD

= EPS

MPS

= 26

26 =1

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 2,251,468-0

396,708 =5.68

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

= 0

396,708 =0

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 0*100

26 =0

G. DIVIDEND YEILD

= DPS*100

MPS

= 0*100

26 =0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

= 206,693-0

0 =0

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

= 0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

=14,048+700,439

1,536,981 =0.46

-

J. OANDO PLC (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=CURRENT ASSETS

CURRENT LIABILITIES

= 164,402,215

227,409,609 =0.72

B. QUICK ASSET

=CURRENT ASSETS –INVENTORY

CURRENT LIABILITIES

=164,402,215-26,514,991

227,409,609 =0.61

C. RECEIVABLES COLLECTION PERIOD

=TRADE RECEIVEABLES*365 DAYS

CREDIT SALES

= 135,177,498*365

488,518,106 =101

D. PAYABLE PAYMENT PERIOD

= TRADE PAYABLES*365DAYS

CREDIT PURCHASES

= 184,967,900*365

488,938,074 =138

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

= 26,514,991*365

488,938,074 =20

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

= 488,518,106

135,177,498 =3.6

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

= 488,938,074

184,967,900 =2.6

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

= 488,938,074

26,514,991 =18.4

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFTER TAX

EQUITY (SHAREHOLDERS FUND)

$=\frac{18,321,877}{60,899,568}$ =0.3

B. GROSS PROFIT MARGIN

$= \frac{\text{GROSS PROFIT}}{\text{SALES}}*100\%$

$= \frac{419,914*100}{488,518,160}$ =0.08

C. NET PROFIT MARGIN

$= \frac{\text{NET PROFIT}}{\text{SALES}}*100$

$=\frac{1,932,315*100}{488,518,160}$ =0.4

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

$= \frac{\text{MARKET PRICE PER SHARE}}{\text{EARNINGS PER SHARE}}$

$=\frac{197}{197}$ =1

C. EARNINGS YEILD

$= \frac{\text{EPS}}{\text{MPS}}$

=1

D. NET ASSETS PER SHARE

$=\frac{\text{NET ASSETS- PREFERENCE SHARES}}{\text{NO OF ORDINARY SHARE IN ISSUE}}$

$=\frac{1,075,110,435-0}{6,215,706}$ =173

E. DIVIDEND PER SHARE

$=\frac{\text{GROSS DIVIDEND}}{\text{NO OF ORDINARY SHARES}}$

$=\frac{0}{6,215,706}$ =0

F. DIVIDEND PAYOUT RATIO

$= \frac{\text{DIVIDEND PER SHARE*100}}{\text{EARNINGS PER SHARE}}$

=0*100

197 =0

G. DIVIDEND YEILD

= DPS*100

MPS

= 0*100

197 =0

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

=18,321,877-0

0 =0

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=DEBT

TOTAL CAPITAL

=0

B. TOTAL DEBT TO SHAREHOLDERS FUND

= NON CURRENT LIABILITIES + CURRENT LIABILITIES

EQUITY

= 348,228,307+448,602,832

277,116,711 =2.88

K. CONOIL PLC

1.SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

= Current Assets

Current liabilities 54,908,451=1.32:1

41,641,699

B. Quick Asset =

Current assets-inventory

Current liabilities 54,908,451- 9,141,599

41,641,699

=1.1:1

3 RECEIVABLES COLLECTION PERIOD =Trade receivables * 365 days

Credit sales 30,295,096*365 days

122,213,014

=91days

4 PAYABLE PAYMENTS PERIOD

=Trade payables* 365days

Credit purchases 35,065,872*365days

109,442,111

=117 days

5 INVENTORY TURNOVER PERIOD

=Average inventory* 365 days

Cost of sales 7,401,377*365days

109,442,111

=25 days

6 RECEIVABLES TURNOVER

=Credit sales

Receivables 122,213,014 =4 times

30,295,096

7 PAYABLES TURNOVER

= Credit purchases

Payables 109,442,111=3.1 times

35,065,872

8 INVENTORY TURNOVER

=Cost of sales

Average inventory

109,442,111=15 times

7,401,377

B EFFICIENCY / PROFITABILITY RATIO

1 RETURNS ON CAPITAL EMPLOYED= Profit after tax

Equity(shareholder's fund) 1,796,042 =0.10

18,301,074

2 GROSS PROFIT MARGIN

=Gross profit * 100%

sales 12,770,902 *100

122,213,014

=10.5%

3 NET PROFIT MARGIN

= Net profit * 100

Sales 1,796,042 *100

122,213,014

=1.5%

C INVESTOR/ SHAREHOLDERS' RATIO

1 EARNING PER SHARE (given) 0.259

2 PRICE EARNING RATIO

=Market price per share

Earnings per share 18.5 =71times

0.259

3 EARNINGS YIELD

= EPS

MPS 0.259=0.014

18.5

4 NET ASSETS PER SHARE

=Net assets –preference shares

No of ordinary share in issue 60,897,246-0

693,952

=87.8

5 DIVIDEND PER SHARE

=Gross dividend

No of ordinary shares 2,151,252

693,952

=3.1

6 DIVIDEND PAYOUT RATIO

=Dividend per share * 100

Earnings per share

3.1*100=12%

0.259

7 DIVIDEND YIELD=

DPS *100

MPS 3.1*100 =16.7%

18.5

8 DIVIDEND COVER

=Profit after tax –preference dividend

Gross dividend 1,796,042- 0

2,151,252

=0.83

D LONG TERM SOLVENCY AND STABILITY RATIO

1 GEARING RATIO =

DEBT

TOTAL CAPITAL 954,473

60,897,246

=0.02

2 TOTAL DEBT TO SHAREHOLDER'S FUND

=Noncurrent liabilities +Current liabilities

Equity 42,596,172

60,897,246

=0.7

L. BETA GLASS PLC (2018)

1. SHORT TERM SOLVENCY AND LIQUIDITY RATIOS

A. CURRENT RATIOS

=<u>CURRENT ASSETS</u>

CURRENT LIABILITIES

= <u>28,550,830</u>

13,723,312 =2.08

B. QUICK ASSET

=<u>CURRENT ASSETS –INVENTORY</u>

CURRENT LIABILITIES

= <u>28,550,830-6,239,740</u>

13,723,312 = 1.63

C. RECEIVABLES COLLECTION PERIOD

=<u>TRADE RECEIVEABLES*365 DAYS</u>

CREDIT SALES

= <u>13,438,292*365</u>

26,321,014 =186.4

D. PAYABLE PAYMENT PERIOD

= <u>TRADE PAYABLES*365DAYS</u>

CREDIT PURCHASES

=<u>11,598,037*365</u>

19,940,375 =212.30

E. INVENTORY TURNOVER PERIOD

= AVERAGE INVENTORY*365DAYS

COST OF SALES

= 6,239,740*365

19,940,375 =114.21

F. RECEIVEABLES TURNOVER

= CREDIT SALES

RECEIVEABLES

= 26,321,014

13,438,292 =1.96

G. PAYABLES TURNOVER

= CREDIT PURCHASES

PAYABLES

= 19,940,375

11,598,037 =1.72

H. INVENTORY TURNOVER

= COST OF SALES

AVERAGE INVENTORY

= 19,940,375

6,239,740 =3.19

2. EFFICIENCY /PROFITABILITY RATIO

A. RETURNS ON CAPITAL EMPLOYED

=PROIFIT AFRET TAX

EQUITY (SHAREHOLDERS FUND)

= 5,052,805

29,627,573 =0.17

B. GROSS PROFIT MARGIN

= GROSS PROFIT*100%

SALES

= 6,380,639*100%

26,321,014 =24.24

C. NET PROFIT MARGIN

= NET PROFIT*100

SALES

= 5,893,657*100

26,321,014 =22.4

3. INVESTOR/SHAREHOLDERS RATIO

A. EARNINGS PER SHARE (given)

B. PRICE EARNING RATIO

= MARKET PRICE PER SHARE

EARNINGS PER SHARE

= 10.11

10.11 =0

C. EARNINGS YEILD

= EPS

MPS

= 10.11

10.11 =0

D. NET ASSETS PER SHARE

=NET ASSETS- PREFERENCE SHARES

NO OF ORDINARY SHARE IN ISSUE

= 46,079,629-0

249,986 =184.3

E. DIVIDEND PER SHARE

=GROSS DIVIDEND

NO OF ORDINARY SHARES

= 62,554

249,986 =0.25

F. DIVIDEND PAYOUT RATIO

= DIVIDEND PER SHARE*100

EARNINGS PER SHARE

= 1.07*100

10.11 =10.85

G. DIVIDEND YEILD

= DPS*100

MPS

= 1.07*100

10.11 =10.58

H. DIVIDEND COVER

= PROFIT AFTER TAX- PREFERENCE DIVIDEND

GROSS DIVIDEND

=<u>5,052,805-0</u>

62,554 =80.7

4. LONG TERM SOLVENCY AND STABILITY RATIO

A. GEARING RATIO

=<u>DEBT</u>

TOTAL CAPITAL

= 13%

B. TOTAL DEBT TO SHAREHOLDERS FUND

= <u>NON CURRENT LIABILITIES + CURRENT LIABILITIES</u>

EQUITY

= <u>2,728,744+13,723,312</u>

29,627,573 =0.55