**تمرين /1: واجب بيتي / مطلوب الحل باللغة الانكليزية :**

الآتي قائمة المركز المالي المقارن لعامي 1998 و1999 وكشف الدخل لشركة الفرات لسنة 1999





قائمة الدخل :





المطلوب / اعداد قائمة التدفق النقدي بالطريقة غير المباشرة (باللغة الانكليزية )

ملاحظة : للحصول على صافي الربح المعدل وفق الطريقة غير المباشرة فأن :

صافي الربح المعدل = صافي الدخل + الاندثار + الاطفاء + خسار بيع موجودات ثابتة – ارباح بيع موجودات ثابتة

**Solution :**

Change in Cash= Ending cash - Beginning cash

 = 22000-18000= 4000 D.

Net profit adjusted = Net Incom + Depreciation + Amortization + losses on sales of assets \_ Gains on sales of assets

 = 15000+(2000+5000) + 1000 = 23000

 **AL-Forat CORPORATION**

 Statement of Cash Flows

 For Year Ended December 31,1999

Net cash flow from operating activities :

Net profit adjusted 23000

Add:

Decrease in Accounts receivable 1000

Decrease in Prepaid expenses 1000

Increase in Accrued expenses 500

Total 2500

Deduct:

Increase in Inventories 2000

Decrease in Accounts payable 3500

 (5500) Total Net cash flow from operating activities 20000

Net cash flow from investing activities :

Add:

Sale of equipment 2000

Total 2000

Deduct:

Purchase of Land 8000

Purchase of equipment 11000

**Total** (19000)

Net cash flow from investing activities (17000)

 Net cash flow from Financing activities :

Add:

Issuing shares 8000

Total 8000

Deduct:

Cash dividends 7000

Total (7000)

Net cash flow from Financing activities 1000

Net cash flow from activities all **4000**

 Equipment

 Bal. 15000 Sale of equipment 8000

Purchase of equ. 11000 Ending bal. 18000

 28000 28000

**EXERCISE/ 2 :**

The balance sheets of Al-Iraq Corporation as of December 31, Year 2011, and Year 2012, and its statement of income year ended December 31, 2012, follow:

 Al-Iraq CORPORATION

 Balance Sheets

 December 31, Year 2011 and Year 2012

|  |  |  |
| --- | --- | --- |
| 31/12/2012 | 31/12/2011 | Item (Amounts in millions of dinars) |
|  |  | Assets : |
| 162 | 144 | Cash |
| 180 | 198 | Accounts receivable |
| 330 | 336 | Inventories |
| 27 | 24 | Prepaid expenses |
| 286 | 160 | Land |
| 500 | 300 | Plant and equipment |
| 150 | 200 | Cars |
| (258) | (183) | Accumulated depreciation |
| 105 | 120 | Patented |
| 1482 | 1299 | Total assets |
|  |  | Liabilities and Equity : |
| 225 | 261 | Accounts payable |
| 204 | 198 | Accrued expenses |
| ---- | 285 | long term loans |
| 900 | 450 | Sahre capital |
| 18 | --- | Share premium |
| 135 | 105 | Retained earnings |
| 1482 | 1299 | Total liabilities and equity |

 Al-Iraq CORPORATION

 Income Statement

 For Year Ended December 31, Year 92012

Net Sales ...................................... 396

Cost of goods sold .................. (192)

Cross Profit …………………….. 204

Operating expense ……………. (114)

Net income ……………………….. 90

Additional information :

1. The CORPORATION issued shares to increase its capital by 45 millions dinars

2. Share premium is related to the new share

**Required:** Prepare a statement of cash flows (indirect method) for the year ended December 31, Year 2012

**EXERCISE/ 3 :**

The following is The balance sheets of Baghdad Corporation for the years 2014 ,2015 and the income statement for 2015 :

 Baghdad CORPORATION

 Balance Sheets

 December 31, Year 2014 and Year 2015

|  |  |  |
| --- | --- | --- |
| 31/12/2015 | 31/12/2014 | Item (Amounts in thousands of dinars) |
|  |  | Assets : |
| 6750 | 4500 | Cash |
| 11250 | 9000 | Accounts receivable |
| 22500 | 24750 | Inventories |
| 135000 | 112500 | Buildings |
| (33750) | (22500) | Accumulated depreciation |
| 141750 | 128250 | Total assets |
|  |  | Liabilities and Equity : |
| 11250 | 27000 | Accounts payable |
| 22500 | ----- | long term loans |
| 90000 | 90000 | Equity capital |
| 18000 | 11250 | Retained earnings |
| 141750 | 128250 | Total liabilities and equity |

 Baghdad CORPORATION

 Income Statement

 For Year Ended December 31, Year 92012

Net Sales ...................................... 191250

Cost of goods sold .................. (135000)

Cross Profit …………………….. 56250

Operating expense ……………. (33750)

Net income ……………………….. 22500

**Required:** Prepare a statement of cash flows (indirect method) for the year ended December 31, Year 2015

 **Comparative financial statement analysis التحليل المقارن للبيانات المالية**  **Vertical analysis التحليل الرأسي العمودي 1)**

وفق هذه الطريقة يتم تقييم كل عنصر من عناصر القوائم المالية (لفترة واحدة او لفترتين او اكثر) في ضوء ما يمثله العنصر من وزن نسبي معبر عنه بنسبة مئوية قياسا" لباقي عناصر الاخرى المكونة للقائمة المالية , الا ان استخراج الوزن النسبي لعناصر قائمة مالية واحدة يمكن ان يتصف بالجمود بسبب محدودية تحليل وتفسير الاثار المترتبة علة النتائج المستخرجة , ويمكن استخراج الوزن النسبي لكل عنصر من عناصر قائمة المركز المالي بأحدى الطريقتين الآتيتين :

اولا" : طريقة المجموعات الفرعية (الجزئية) التي ينتمي اليها العنصر وصيغتها الرياضية هي الآتي :

الوزن النسبي للعنصر= $100\%×\frac{ العنصر مبلغ}{الفرعية المجموعة اجمالي}$

مثلا" عنصر النقدية ضمن الموجودات المتداولة يكون :

The relative weight of cash = $\frac{cash}{Total Current Assets} ×100\%$

ثانيا" : طريقة المجموعة الكلية التي ينتمي اليها العنصر وصيغتها الرياضية الآتي :

الوزن النسبي للعنصر= $100\%×\frac{ العنصر مبلغ}{الكلية المجموعة اجمالي}$

مثلا" عنصر النقدية ضمن الموجودات المتداولة يكون :

The relative weight of cash = $\frac{cash}{Total Assets} ×100\%$

 اما الوزن النسبي لعناصر كشف الدخل فبقسمة كل عنصر على المبيعات مثلا" الوزن النسبي لكلفة البضاعة المباعة

The relative weight of cost of goods sold = $\frac{Amounts of the cost of goods sold}{Sales} ×100\%$

**2) التحليل الافقي Horizontal analysis**

بهذا النوع من التحليل بقوم المحلل بدراسة التغيرات الحاصلة على عناصر القوائم المالية لفترة مالية معينة مقارنة مع الفترة السابقة , حيث يتم استخراج نسبة التغير في كل عنصر وايجاد نسبة هذا التغير الى الفترة السابقة والصيغة الرياضية لاحتساب التغير هي الآتي :



مثلا" نسبة التغير في النقدية :

Change in cash = $\frac{Current year amount-Base year amount}{Base year amount} ×100\%$

Example : The following data are virtual of Vertical analysis of balance sheets :

 **BELLA COMPANY**

 Balance Sheets

 December 31

 **2009 2008**

 **Amount Percent Amount Percent**

**Assets**

Current assets $1,020,000 **55.6%** $ 945,000 **59.2%**

Plant assets (net) 800,000 **43.6%**  632,500 **39.7%**

Intangible assets 15,000 **0.8%** 17,500 **1.1%**

Total assets $1,835,000 **100.0%** $1,595,000 **100.0%**

**Liabilities**

Current liabilities $ 344,500 **18.8%** $ 303,000 **19.0%**

Long-term liabilities 487,500 **26.5%**  497,000 **31.2%**

Total liabilities 832,000  **45.3%**  800,000 **50.2%**

**Stockholders’ Equity**

Common stock, $1 par 275,400 **15.0%** 270,000  **16.9%**

Retained earnings 727,600 **39.7%** 525,000  **32.9%**

Total stockholders’ equity 1,003,000 **54.7%**  795,000 **49.8%**

Total liabilities and

stockholders’ equity $1,835,000 **100.0%** $1,595,000 **100.0%**

The following data are virtual of Vertical analysis of income statements

 **BELLA COMPANY**

 income statements.

 December 31

 **2009 2008**

 **Amount Percent Amount Percent**

Sales revenue $2,195,000 **104.7%**  $1,960,000 **106.7%**

Sales returns and allowances 98,000  **4.7%**  123,000 **6.7%**

Net sales 2,097,000  **100.0%**  1,837,000 **100.0%**

Cost of goods sold 1,281,000  **61.1%**  1,140,000 **62.1%**

Gross profit 816,000  **38.9%**  697,000 **37.9%**

Selling expenses 253,000  **12.0%**  211,500 **11.5%**

Administrative expenses 104,000  **5.0%**  108,500 **5.9%**

Total operating expenses 357,000  **17.0%**  320,000  **17.4%**

Income from operations 459,000  **21.9%**  377,000  **20.5%**

Other revenues and gains

Interest and dividends 9,000  **0.4%**  11,000 **0.6%**

Other expenses and losses

Interest expense 36,000 **1.7%**  40,500  **2.2%**

Income before income taxes 432,000  **20.6%** 347,500  **18.9%**

Income tax expense 168,200  **8.0%**  139,000 **7.5%**

Net income $ 263,800 **12.6%** $ 208,500 **11.4%**

 Example : The following data are virtual of horizontal analysis of balance sheets :

 **BELLA COMPANY**

 Balance Sheets

 December 31

 **Increase or (Decrease)**

 **during 2009**

 **2009 2008 Amount Percent**

**Assets**

Current assets $1,020,000 $ 945,000 **$ 75,000 7.9%**

Plant assets (net) 800,000 632,500  **167,500 26.5%**

Intangible assets 15,000 17,500 **(2,500) (14.3%)**

Total assets $1,835,000 $1,595,000 **$240,000 15.0%**

**Liabilities**

Current liabilities $ 344,500 $ 303,000 **$ 41,500 13.7%**

Long-term liabilities 487,500 497,000 **(9,500) (1.9%)**

Total liabilities 832,000 800,000 **32,000 4.0%**

**Stockholders’ Equity**

Common stock, $1 par 275,400 270,000 **5,400 2.0%**

Retained earnings 727,600 525,000 **202,600 38.6%**

Total stockholders’ equity 1,003,000 795,000 **208,000 26.2%**

Total liabilities and

stockholders’ equity $1,835,000 $1,595,000  **$240,000 15.0%**

The following data are virtual of Vertical analysis of income statements

 **BELLA COMPANY**

 income statements.

 December 31

 **Increase or (Decrease)**

 **during 2009**

 **2009 2008 Amount Percent**

Sales revenue $2,195,000 $1,960,000 **$235,000 12.0%**

Sales returns and allowances 98,000 123,000 **(25,000) (20.3%)**

Net sales 2,097,000 1,837,000 **260,000 14.2%**

Cost of goods sold 1,281,000 1,140,000 **141,000 12.4%**

Gross profi t 816,000 697,000  **119,000 17.1%**

Selling expenses 253,000 211,500  **41,500 19.6%**

Administrative expenses 104,000 108,500 **(4,500) (4.1%)**

Total operating expenses 357,000 320,000 **37,000 11.6%**

Income from operations 459,000 377,000 **82,000 21.8%**

Other revenues and gains

Interest and dividends 9,000 11,000 **(2,000) (18.2%)**

Other expenses and losses

Interest expense 36,000 40,500 **(4,500) (11.1%)**

Income before income taxes 432,000 347,500 **84,500 24.3%**

Income tax expense 168,200 139,000 **29,200 21.0%**

Net income $ 263,800 $ 208,500 **$ 55,300 26.5%**