所別：財務金融學系

1. (20%) 愛鈴企業於 95 年 12 月 31 日發行面額 $20,000，年利率 6%，10 年期的公司債券，愛鈴企業以同類型債券市場利率 7%發行，並於每年 12 月 31 日發放一次債息。請問（答案請四捨五入到整數位）
   1. (4%) 愛鈴企業的債券是折價發行或溢價發行？
   2. (4%) 發行價格是多少？
   \[ \frac{1}{1.07^{10}} = 0.50835 \]
   3. (4%) 請做發行時之分錄。
   4. (4%) 假設愛鈴企業以直線法攤銷債券發行之折溢價，請做 96 年底之折溢價攤銷分錄。
   5. (4%) 假設愛鈴企業以有效利率法攤銷發行之折溢價，請做 96 年底之折溢價攤銷分錄。

2. (15%) 艾比動物公司採定期盤存制，貓沙是其存貨之一。96 年 4 月貓沙共計出售 620 單位（包），每單位售價 $90。以下是 4 月份貓沙期初存貨及採購的資料：

   | 4/1 | 期初存貨 | 200 單位 | @ $61 |
   | 4/9 | 進貨    | 250 單位 | @ $62 |
   | 4/17 | 進貨   | 200 單位 | @ $64 |
   | 4/28 | 進貨     | 225 單位 | @ $62 |

請依下列三種存貨計算方法分別計算艾比動物公司 4 月份貓沙期初存貨與銷貨成本：
   1. (4%) 先進先出法
   2. (4%) 後進先出法
   3. (4%) 加權平均法（四捨五入到整數位）
   4. (3%) 對 4 月份的銷售而言，使用哪一個方法的毛利最高？是多少？

3. (12%) 艾莉動物公司於民國 94 年初購入一臺動物自動洗滌機，該機器成本為 $150,000，估計耐用年限為 10 年，無殘值，採直線法计提折舊。
   1. (8%) 請作該公司 94 年度購買及年底计提折舊之分錄。
   2. (4%) 民國 96 年間動物市場推出新款洗滌機，艾莉公司估計其購置成本之總共耐用年限由 10 年縮短為 6 年，且估計殘值為 $30,000。請作該公司 96 年度计提折舊之分錄。

肆、(3%) 或有負債什麼條件下要列示入帳？

伍、(15%) Lindsey Matthew Co. has outstanding 60,000 shares of $10 par common stock which had been issued at $45 per share. Lindsey Matthew then entered into the following transactions.

   1. September 1, 2007: Purchased 6,000 treasury shares at $60 per share.
   2. November 2, 2007: Resold 1,000 of the treasury shares at $66 per share.
   3. December 3, 2007: Resold 1,000 of the treasury shares at $50 per share.

**Required:**

Use the following code to indicate the effect each of the three transactions has on the financial statement categories listed in the table below, assuming Lindsey Matthew Co. uses the cost method: (I = Increase; D = Decrease; NE = No effect).

<table>
<thead>
<tr>
<th>Assets</th>
<th>Liabilities</th>
<th>Stockholders' Equity</th>
<th>Paid-in Capital from treasury stock transaction</th>
<th>Retained Earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) (5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2) (5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) (5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
陸、(24%) Central Inc. accountants have developed the following data from the company's accounting records for the year ended December 31, 2007:

1. Payments of purchasing buildings, $200,000.
2. Proceeds from issuance of bonds payable, $120,000.
3. Collection of interest revenues, $12,650.
4. Cash receipt of dividends, $3,600.
5. Collections from customers, $968,000.
6. Payment of cash dividends, $42,800.
7. Interest expense and payments, $35,900.
8. Payments to suppliers, $673,000.
10. Payments of income taxes, $45,000.
11. Depreciation expense, $15,000.
12. Proceeds from sale of equipments, $25,000, including $6,000 gain.
13. Payment of salaries, $85,000.

**Required:**

Prepare Central Inc.'s statement of cash flows for the year ended December 31, 2007. Use the direct method for cash flows from operating activities.

柒、(11%) Central Inc. issued $1,000,000 of 3%, 10-year convertible bonds at par on January 1, 2007. Interest is payable annually. Each $1,000 bond can convert to 60 shares of common at any interest date. None of the bonds have been converted to date. Central’s net income was $720,000 in 2007, and its tax rate was 30%. The company had 900,000 shares of common stock outstanding on January 1, 2007. On July 1, 2007, Central sold an additional 200,000 shares of the common stock at $30 per share.

**Required:**

1. (4%) Compute basic earnings per share for 2007.
2. (7%) Compute diluted earnings per share for 2007.