

# CHAPTER 7

## Fraud, Internal Control, and Cash

### ASSIGNMENT CLASSIFICATION TABLE

<u>Learning Objectives</u>	<u>Questions</u>	<u>Brief Exercises</u>	<u>Do It!</u>	<u>Exercises</u>	<u>A Problems</u>	<u>B Problems</u>
1. Define fraud and internal control.	1, 2, 3, 4	1, 2, 3				
2. Identify the principles of internal control activities.	5, 6, 7, 8, 9, 10, 11	4	1	1, 2, 3, 5, 6	1A, 6A	1B, 6B
3. Explain the applications of internal control principles to cash receipts.	6, 13, 14, 15	5, 6, 7	2	2, 5, 6	6A	1B, 6B
4. Explain the applications of internal control principles to cash disbursements.	16, 17, 18, 19	8		3, 4, 5, 6	1A, 6A	6B
5. Describe the operation of a petty cash fund.	21	9	3	7, 8	2A	2B
6. Indicate the control features of a bank account.	22	10				
7. Prepare a bank reconciliation.	20, 23, 24, 25	11, 12, 13, 14	4	9, 10, 11, 12, 13	3A, 4A, 5A	3B, 4B, 5B, 6B
8. Explain the reporting of cash.	12, 26	15	5	14		

## ASSIGNMENT CHARACTERISTICS TABLE

<b>Problem Number</b>	<b>Description</b>	<b>Difficulty Level</b>	<b>Time Allotted (min.)</b>
1A	Identify internal control principles over cash disbursements.	Simple	20–30
2A	Journalize and post petty cash fund transactions.	Simple	20–30
3A	Prepare a bank reconciliation and adjusting entries.	Simple	20–30
4A	Prepare a bank reconciliation and adjusting entries from detailed data.	Moderate	40–50
5A	Prepare a bank reconciliation and adjusting entries.	Moderate	30–40
6A	Identify internal control weaknesses in cash receipts and cash disbursements.	Complex	35–45
1B	Identify internal control weaknesses over cash receipts.	Simple	20–30
2B	Journalize and post petty cash fund transactions.	Simple	20–30
3B	Prepare a bank reconciliation and adjusting entries.	Simple	20–30
4B	Prepare a bank reconciliation and adjusting entries from detailed data.	Moderate	40–50
5B	Prepare a bank reconciliation and adjusting entries.	Moderate	30–40
6B	Prepare comprehensive bank reconciliation with theft and internal control deficiencies.	Complex	40–50

**WEYGANDT FINANCIAL ACCOUNTING, IFRS EDITION, 3e**  
**CHAPTER 7**  
**FRAUD, INTERNAL CONTROL, AND CASH**

<b>Number</b>	<b>LO</b>	<b>BT</b>	<b>Difficulty</b>	<b>Time (min.)</b>
BE1	1	C	Simple	2–4
BE2	1	C	Simple	2–4
BE3	1	C	Simple	4–6
BE4	2	C	Simple	3–5
BE5	3	C	Simple	4–6
BE6	3	AP	Simple	4–6
BE7	3	AP	Simple	2–4
BE8	4	C	Simple	4–6
BE9	5	AP	Simple	4–6
BE10	6	C	Simple	2–4
BE11	7	C	Simple	3–5
BE12	7	C	Simple	3–5
BE13	7	AP	Simple	2–4
BE14	7	AP	Simple	2–4
BE15	8	C	Simple	2–4
DI1	2	C	Moderate	6–8
DI2	3	C	Simple	4–6
DI3	5	AP	Simple	4–6
DI4	7	C	Simple	2–4
DI5	8	K	Simple	2–4
EX1	2	C	Simple	8–10
EX2	2, 3	E	Moderate	8–10
EX3	2, 4	E	Moderate	8–10
EX4	4	E	Moderate	12–15
EX5	2–4	C	Simple	6–8
EX6	2–4	C	Simple	6–8
EX7	5	AP	Simple	8–10
EX8	5	AP	Simple	6–8
EX9	7	AN	Simple	8–10
EX10	7	AP	Simple	3–5

## FRAUD, INTERNAL CONTROL, AND CASH (Continued)

Number	LO	BT	Difficulty	Time (min.)
EX11	7	AN	Simple	10–12
EX12	7	AN	Simple	12–15
EX13	7	AN	Moderate	10–12
EX14	8	C, AP	Simple	8–10
P1A	2, 4	C	Simple	20–30
P2A	5	AP	Simple	20–30
P3A	7	AN	Simple	20–30
P4A	7	AN	Moderate	40–50
P5A	7	AN	Moderate	30–40
P6A	2–4	E	Complex	35–45
P1B	2, 3	E	Simple	20–30
P2B	5	AP	Simple	20–30
P3B	7	AN	Simple	20–30
P4B	7	AN	Moderate	40–50
P5B	7	AN	Moderate	30–40
P6B	2–4, 7	E	Complex	40–50
BYP1	8	C	Simple	10–15
BYP2	8	AN	Simple	8–12
BYP3	2	E	Simple	10–15
BYP4	3	AN	Moderate	15–20
BYP5	3	E	Simple	10–15
BYP6	3	E	Simple	10–15

Correlation Chart between Bloom's Taxonomy, Learning Objectives and End-of-Chapter Exercises and Problems

Learning Objective	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
1. Define fraud and internal control.		Q7-1 Q7-2 Q7-3 Q7-4	BE7-1 BE7-2 BE7-3			
2. Identify the principles of internal control activities.		Q7-5 Q7-6 Q7-7 Q7-8 Q7-9	Q7-10 Q7-11 BE7-4 DI7-1	E7-1 E7-5 E7-6 P7-1A		E7-2 E7-3 P7-6A P7-1B P7-6B
3. Explain the applications of internal control principles to cash receipts.		Q7-6 Q7-13 Q7-14 Q7-15	BE7-5 DI7-2 E7-5 E7-6	BE7-6 BE7-7		E7-2 P7-6A P7-1B P7-6B
4. Explain the applications of internal control principles to cash disbursements.	Q7-18 Q7-19	Q7-16 Q7-17 BE7-8	E7-5 E7-6 P7-1A			E7-3 E7-4 P7-6A P7-6B
5. Describe the operation of a petty cash fund.		Q7-21		BE7-9 DI7-3 E7-7	E7-8 P7-2A P7-2B	
6. Indicate the control features of a bank account.		Q7-22 BE7-10				
7. Prepare a bank reconciliation.	Q7-20 Q7-24	Q7-23 Q7-25 BE7-11 BE7-12	DI7-4 BE7-13 BE7-14 E7-10	E7-9 E7-11 E7-12 E7-13	P7-3A P7-4A P7-5A P7-3B	P7-4B P7-5B P7-6B
8. Explain the reporting of cash.	DI7-5	Q7-26 BE7-15	E7-14	Q7-12 E7-14		
Broadening Your Perspective		Financial Reporting		Comparative Analysis Decision Making Across the Organization		Real-World Focus Communication Ethics Case

# ANSWERS TO QUESTIONS

1. Fraud is dishonest act by an employee that results in personal benefit to the employee at a cost to the employer. An example of fraud that might occur at a bank would be a computer operator embezzling funds by transferring a customer's deposits into another account.
2. The three main factors that contribute to employee fraud are opportunity, financial pressure, and rationalization. Opportunities that an employee can take advantage of occur when the workplace lacks sufficient controls to deter and detect fraud. Financial pressure occurs when employees want to lead a lifestyle that they cannot afford on their current salary. Rationalization involves employees justifying fraud because they believe they are underpaid while their employer is making lots of money.
3. The five components of a good internal control system are: (1) A control environment, (2) Risk assessment, (3) Control activities, (4) Information and communication, and (5) Monitoring.
  - **Control environment.** Top management must make it clear that the organization values integrity and that unethical activity will not be tolerated.
  - **Risk assessment.** Companies must identify and analyze the various factors that create risk for the business and must determine how to manage these risks.
  - **Control activities.** To reduce the occurrence of fraud, management must design policies and procedures to address the specific risks faced by the company.
  - **Information and communication.** The internal control system must capture and communicate all pertinent information both down and up the organization, as well as communicate information to appropriate external parties.
  - **Monitoring.** Internal control systems must be monitored periodically for their adequacy. Significant deficiencies need to be reported to top management and/or the board of directors.
4. Disagree. Internal control is also concerned with the safeguarding of company assets from employee theft, robbery, and unauthorized use.
5. The principles of internal control are: (a) establishment of responsibility, (b) segregation of duties, (c) documentation procedures, (d) physical controls, (e) independent internal verification, and (f) human resource controls.
6. This is a violation of the internal control principle of establishing responsibility. In this case, each sales clerk should have a separate cash register or cash register drawer.
7. The two applications of segregation of duties are:
  - (1) Different individuals should be responsible for related activities.
  - (2) Responsibility for the record keeping for an asset should be separate from the physical custody of that asset.
8. Documentation procedures contribute to good internal control by providing evidence that transactions and events have occurred and, when signatures (or initials) are added, the documents establish responsibility for the transactions. The prompt transmittal of documents to accounting contributes to recording transactions in the proper period, and the prenumbering of documents helps to ensure that a transaction is not recorded more than once or not at all.

## Questions Chapter 7 (Continued)

9. Safes, vaults, and locked warehouses contribute to the safeguarding of company assets. Cash registers and time clocks contribute to the accuracy and reliability of the accounting records, and electronic burglary systems and sensors help to safeguard assets.
10. (a) Independent internal verification involves the review of data prepared by employees.  
(b) Maximum benefit is obtained from independent internal verification when:  
(1) The verification is made periodically or on a surprise basis.  
(2) The verification is done by an employee who is independent of the personnel responsible for the information.  
(3) Discrepancies and exceptions are reported to a management level that can take appropriate corrective action.
11. (a) The concept of reasonable assurance rests on the premise that the costs of establishing control procedures should not exceed their expected benefit.  
(b) The human element is an important factor in a system of internal control. A good system can become ineffective through employee fatigue, carelessness, or indifference. Moreover, internal control may become ineffective as a result of collusion.
12. Cash should be reported at £18,850 (£6,000 + £850 + £12,000).
13. Daily cash counts pertain primarily to the principles of segregation of duties, documentation procedures, and independent internal verification. Daily cash counts also involve the establishment of responsibility for performing the counts.
14. Cash registers are readily visible to the customer. Thus, they prevent the sales clerk from ringing up a lower amount and pocketing the difference. In addition, the customer receives an itemized receipt, and the cash register tape is locked into the register for further verification, providing documentation and enabling independent internal verification.
15. Two mail clerks contribute to a more accurate listing of mail receipts and to the endorsement of all checks "For Deposit Only." In addition, two clerks reduce the likelihood of mail receipts being diverted to personal use.
16. Payment by check contributes to effective internal control over cash disbursements. However, effective control is also possible when small payments are made from petty cash.
17. The procedure and related principle are:
- | <u>Procedure</u>  | <u>Principle</u>                     |
|---|--------------------------------------|
| (1) Treasurer signs checks.                               | * Establishment of responsibility.   |
| (2) Checks imprinted by a machine in indelible ink.       | * Physical controls.                 |
| (3) Comparing check with approved invoice before signing. | * Independent internal verification. |
18. Physical controls apply to cash disbursements when: (a) blank checks are stored in a safe, and access to the safe is restricted to authorized personnel, and (b) a checkwriting machine and indelible ink are used to imprint amounts on checks. Documentation procedures apply when the company uses prenumbered checks and account for them in sequence, and stamps invoices "paid".

## Questions Chapter 7 (Continued)

19. (a) A voucher system is a network of approvals by authorized individuals acting independently to ensure that all disbursements by check are proper.  
(b) The internal control principles applicable to a voucher system are: (1) establishment of responsibility, (2) segregation of duties, (3) independent internal verification, and (4) documentation procedures.
20. Electronic funds transfer is a cash disbursement system that uses wire, telephone, or computers to transfer cash from one location to another.
21. The activities in a petty cash system and the related principles are:
- |                                    |   |
|------------------------------------|---|
| (a) (1) Establishing the fund.     | * Establishment of responsibility for custody of fund.  |
| (2) Making payments from the fund. | * Documentation procedures because the custodian must use a prenumbered petty cash receipt.                             |
| (3) Replenishing the fund.         | * Independent internal verification because the request for replenishment must be approved before the check is written. |
- (b) Journal entries are required for a petty cash fund when it is established and replenished. Entries are also required when the size of the fund is increased or decreased.
22. Yes. A bank contributes significantly to internal control over cash because it: (1) safeguards cash on deposit, (2) minimizes the amount of currency that must be kept on hand, and (3) provides a double record of all bank transactions.
23. The lack of agreement between the balances may be due to either:  
(1) Time lags—a check written in July does not clear the bank until August.  
(2) Errors—a check for €110 is recorded by the depositor at €101.
24. The four steps are: (1) determine deposits in transit, (2) determine outstanding checks, (3) discover any errors made, and (4) trace bank memoranda.
25. (a) An NSF check occurs when the checkwriter's bank balance is less than the amount of the check.  
(b) In a bank reconciliation, a customer's NSF check is deducted from the balance per books.  
(c) An NSF check results in an adjusting entry in the company's books, as a debit to Accounts Receivable and a credit to Cash.
26. (a) Yes. Cash equivalents are highly liquid investments that can be converted into a specific amount of cash with maturities of three months or less when purchased. Cash equivalents may be reported with cash in the current assets section of the statement of financial position.  
(b) Cash restricted for a special purpose should be reported as a current or noncurrent asset depending on when the cash is expected to be used.



# **SOLUTIONS TO BRIEF EXERCISES**

## **BRIEF EXERCISE 7-1**

- 1. Financial Pressure**
- 2. Rationalization**
- 3. Financial Pressure**
- 4. Opportunity**

## **BRIEF EXERCISE 7-2**

- 1. True.**
- 2. True.**
- 3. False. The three components of the fraud triangle are opportunity, financial pressure, and rationalization.**

## **BRIEF EXERCISE 7-3**

**The purposes of internal control are to:**

- 1. Safeguard a company's assets from employee theft, robbery, and unauthorized use. An application for Leclerc Parking is the use of a cash register to safeguard assets.**
- 2. Enhance the accuracy and reliability of a company's accounting records by reducing the risk of errors (unintentional mistakes) and irregularities (intentional mistakes and misrepresentations) in the accounting process. An application for Leclerc Parking is preparation of a bank reconciliation.**
- 3. Increase efficiency of operations. An application is assignment of responsibility to specific employees.**
- 4. Ensure compliance with laws and regulations. An application is use of cash register tapes to document sales and applicable sales taxes.**

**All of these purposes are important to the success of any business endeavor.**

**BRIEF EXERCISE 7-4**

- 1. Segregation of duties.
- 2. Independent internal verification.
- 3. Documentation procedures.

**BRIEF EXERCISE 7-5**

- 1. Physical controls.
- 2. Human resource controls.
- 3. Independent internal verification.
- 4. Segregation of duties.
- 5. Establishment of responsibility.

**BRIEF EXERCISE 7-6**

a.	Cash.....	6,845.25	
	Cash Over and Short .....	46.25	
	Sales Revenue .....		6,891.50
b.	Cash.....	6,919.82	
	Cash Over and Short.....		28.32
	Sales Revenue .....		6,891.50

**BRIEF EXERCISE 7-7**

Cash (€1,122.74 – €180.00).....	942.74	
Cash Over and Short.....	8.09	
Sales Revenue .....		950.83

**BRIEF EXERCISE 7-8**

- 1. Documentation procedures.
- 2. Independent internal verification.
- 3. Physical controls.
- 4. Establishment of responsibility.
- 5. Segregation of duties.

### BRIEF EXERCISE 7-9

Mar. 20	Postage Expense.....	520	
	Freight-Out.....	260	
	Travel Expense.....	100	
	Cash Over and Short.....	30	
	Cash.....		910

### BRIEF EXERCISE 7-10

1. A check provides documentary evidence of the payment of a specified sum of money to a designated payee.
2. A bank statement provides a double record of a depositor's bank transactions. It also is used in making periodic independent bank reconciliations.

### BRIEF EXERCISE 7-11

- (1) Outstanding checks—deducted from cash balance per bank.
- (2) Bank service charge—deducted from cash balance per books.
- (3) Collection of note by bank—added to cash balance per books.
- (4) Deposits in transit—added to cash balance per bank.

### BRIEF EXERCISE 7-12

- (a) The reconciling items per the books, items (2) and (3) above, will require adjustment on the books of the depositor.
- (b) The other reconciling items, deposits in transit and outstanding checks, do not require adjustment by the bank. When these items reach the bank, the bank balance will automatically adjust itself.

### BRIEF EXERCISE 7-13

Cash balance per bank .....	HK\$74,200
Add: Deposits in transit.....	<u>16,200</u>
	90,400
Less: Outstanding checks .....	<u>7,640</u>
Adjusted cash balance per bank.....	<u>HK\$82,760</u>

### BRIEF EXERCISE 7-14

Cash balance per books .....	€8,900
Add: Interest earned.....	<u>40</u>
	8,940
Less: Charge for printing company checks .....	<u>35</u>
Adjusted cash balance per books.....	<u>€8,905</u>

### BRIEF EXERCISE 7-15

Sokolov OAO Company should report Cash in Bank and Payroll Bank account as current assets. Plant Expansion Fund Cash should be reported as a non-current asset, assuming the fund is not expected to be used during the next year.

## SOLUTIONS FOR DO IT! REVIEW EXERCISES

### DO IT! 7-1

1. Violates the control activity of *documentation procedures*. Source documents should be promptly forwarded to the accounting department so accounting entries can be made. This control activity helps to ensure timely recording of sales transactions and contributes directly to the accuracy and reliability of the accounting records.

## DO IT! 7-1 (Continued)

2. Violates the control activity of *segregation of duties*. Different individuals should be responsible for related activities, such as these three related purchasing activities. Many abuses could occur: placing orders with friends and getting kickbacks; performing cursory counts and inspections of delivered goods; approving fictitious invoices for payment.
3. Violates the control activity of *establishment of responsibility*. Esposito's Foods would be unable to determine who was responsible for a cash shortage; this lapse could even encourage employee theft.

## DO IT! 7-2

All mail receipts should be opened in the presence of two mail clerks. Those mail clerks should immediately stamp each check "For Deposit Only." The mail clerks should prepare, in triplicate, a list of the checks received each day. The checks and prelist should be sent on to the cashier's department each day, and the cashier should deposit the checks daily. The triplicate prelist should be sent to the treasurer's department and used to confirm that all receipts were deposited and recorded.

## DO IT! 7-3

Aug. 1	Petty Cash .....	100	
	Cash .....		100
31	Postage Expense .....	31	
	Supplies .....	44	
	Miscellaneous Expense .....	16	
	Cash Over and Short .....	3	
	Cash (£100 – £6) .....		94

## **DO IT! 7-4**

**Ryou should treat the reconciling items as follows:**

- 1. Outstanding checks: Deduct from balance per bank.**
- 2. A deposit in transit: Add to balance per bank.**
- 3. The bank charged to our account a check written by another company: Add to balance per bank.**
- 4. A debit memorandum for a bank service charge: Deduct from balance per books.**

## **DO IT! 7-5**

- 1. True.**
- 2. False. A company that has received NSF checks should report these checks as a current asset (accounts receivable) on the statement of financial position.**
- 3. False. Restricted cash that is a current asset is not reported as part of cash and cash equivalents.**
- 4. True.**

# SOLUTIONS TO EXERCISES

## EXERCISE 7-1

1. Establishment of responsibility. The counter clerk is responsible for handling cash. Other employees are responsible for making the pizzas.
2. Segregation of duties. Employees who make the pizzas do not handle cash.
3. Documentation procedures. The counter clerk uses your order invoice (ticket) in registering the sale on the cash register. The cash register produces a tape of all sales.
4. Physical controls. A cash register is used to record the sale.
5. Independent internal verification. The counter clerk, in handling the pizza, compares the size of the pizza with the size indicated on the order.
6. Human resource controls. No visible application possible.

## EXERCISE 7-2

<u>Procedure</u>	<u>(a)</u>		<u>(b)</u>
	<u>Weakness</u>	<u>Principle</u>	<u>Recommended Change</u>
1.	Cash is not adequately protected from theft.	Physical controls.	Cash should be stored in a safe until it is deposited in bank.
2.	Inability to establish responsibility for cash with a specific clerk.	Establishment of responsibility.	There should be separate cash drawers and register codes for each clerk.

**EXERCISE 7-2 (Continued)**

<b>Procedure</b>	<b>(a)</b>		<b>(b)</b>
	<b>Weakness</b>	<b>Principle</b>	<b>Recommended Change</b>
<b>3.</b>	<b>The accountant should not handle cash.</b>	<b>Segregation of duties.</b>	<b>The cashier's department should make the deposits.</b>
<b>4.</b>	<b>Cash is not independently counted.</b>	<b>Independent internal verification.</b>	<b>A cashier office supervisor should count cash.</b>
<b>5.</b>	<b>Cashiers are not bonded.</b>	<b>Human resource controls.</b>	<b>All cashiers should be bonded.</b>

**EXERCISE 7-3**

<b>Procedure</b>	<b>(a)</b>		<b>(b)</b>
	<b>Weakness</b>	<b>Principle</b>	<b>Recommended Change</b>
<b>1.</b>	<b>The bank reconciliation is not independently prepared.</b>	<b>Independent internal verification.</b>	<b>Someone with no other cash responsibilities should prepare the bank reconciliation.</b>
<b>2.</b>	<b>The approval and payment of bills is done by the same individual.</b>	<b>Segregation of duties.</b>	<b>The store manager should approve bills for payment and the treasurer should sign and issue checks.</b>
<b>3.</b>	<b>Checks are not stored in a secure area.</b>	<b>Physical controls.</b>	<b>Checks should be stored in a safe or locked file drawer.</b>



### EXERCISE 7-3 (Continued)

<b>Procedure</b>	<b>(a)</b>		<b>(b)</b>
	<b>Weakness</b>	<b>Principle</b>	<b>Recommended Change</b>
4.	After payment, bills are simply filed in a folder.	Documentation procedures.	Bills should be stamped paid before being placed in the folder.
5.	Checks are not prenumbered.	Documentation procedures.	Checks should be prenumbered and subsequently accounted for.

### EXERCISE 7-4

<b>(a) <u>Weaknesses</u></b>	<b>(b) <u>Suggested Improvement</u></b>
1. Checks are not prenumbered.	Use prenumbered checks.
2. The purchasing agent signs checks.	Only the treasurer's department personnel should sign checks.
3. Unissued checks are stored in unlocked file cabinet.	Unissued checks should be stored in a locked file cabinet with access restricted to authorized personnel.
4. Purchasing agent approves and pays for goods purchased.	Purchasing agent should approve bills for payment by the treasurer.
5. After payment, the invoice is filed.	The invoice should be stamped PAID.
6. The purchasing agent records payments in cash disbursements journal.	Only accounting department personnel should record cash disbursements.

## EXERCISE 7-4 (Continued)

### (a) Weaknesses

7. The treasurer records the checks in cash disbursements journal.

8. The treasurer reconciles the bank statement.

### (b) Suggested Improvement

Same as answer to No. 6 above.

An internal auditor should reconcile the bank statement.

(b) To: Treasurer, Teresa Company, SpA

From: Accounting Student

I have reviewed your cash disbursements system and suggest that you make the following improvements:

1. Teresa Company should use prenumbered checks. These should be stored in a locked file cabinet or safe with access restricted to authorized personnel.
2. The purchasing department should approve bills for payment. The treasurer's department should prepare and sign the checks. The invoices should be stamped paid so that they cannot be paid twice.
3. Only the accounting department personnel should record cash disbursements.
4. An internal auditor should reconcile the bank statement.

If you have any questions about implementing these suggestions, please contact me.

## EXERCISE 7-5

<u>Procedure</u>	<u>IC good or weak?</u>	<u>Related internal control principle</u>
1.	Weak	Establishment of Responsibility
2.	Good	Independent Internal Verification
3.	Weak	Segregation of Duties
4.	Good	Segregation of Duties
5.	Weak	Documentation Procedures

## EXERCISE 7-6

<u>Procedure</u>	<u>IC good or weak?</u>	<u>Related internal control principle</u>
1.	Good	Human Resource Controls
2.	Weak	Establishment of Responsibility
3.	Weak	Segregation of Duties
4.	Good	Independent Internal Verification
5.	Good	Physical Controls

## EXERCISE 7-7

May 1	Petty Cash .....	100.00	
	Cash .....		100.00
June 1	Delivery Expense .....	31.25	
	Postage Expense .....	41.00	
	Miscellaneous Expense .....	25.00	
	Cash Over and Short .....	1.00	
	Cash .....		98.25
July 1	Delivery Expense .....	21.00	
	Entertainment Expense .....	53.00	
	Miscellaneous Expense .....	24.75	
	Cash .....		96.75
	Cash Over and Short.....		2.00
July 10	Petty Cash .....	50.00	
	Cash .....		50.00

## EXERCISE 7-8

Mar. 1	Petty Cash.....	100	
	Cash.....		100
15	Postage Expense.....	39	
	Freight-out .....	17	
	Miscellaneous Expense .....	13	
	Travel Expense.....	24	
	Cash Over and Short.....	3	
	Cash.....		96
20	Petty Cash.....	50	
	Cash.....		50

## EXERCISE 7-9

(a)	Cash balance per bank statement .....		CHF3,660.20
	Add: Deposits in transit.....		<u>480.00</u>
			4,140.20
	Less: Outstanding checks .....		<u>935.00</u>
	Adjusted cash balance per bank .....		<u>CHF3,205.20</u>
	Cash balance per books.....		CHF3,825.20
	Less: NSF check .....	CHF590.00	
	Bank service charge.....	<u>30.00</u>	<u>620.00</u>
	Adjusted cash balance per books .....		<u>CHF3,205.20</u>
(b)	Accounts Receivable.....	590.00	
	Cash .....		590.00
	Miscellaneous Expense.....	30.00	
	Cash .....		30.00

## EXERCISE 7-10

The outstanding checks are as follows:

<u>No.</u>	<u>Amount</u>
255	€ 720
260	820
262	<u>750</u>
Total	<u>€2,290</u>

## EXERCISE 7-11

(a) **TERESINA VIDEO SA**  
**Bank Reconciliation**  
**July 31**

Cash balance per bank statement .....	R\$7,293
Add: Deposits in transit .....	<u>1,500</u>
	8,793
Less: Outstanding checks .....	<u>684</u>
Adjusted cash balance per bank .....	<u>R\$8,109</u>
 Cash balance per books.....	 R\$7,427
Add: Collection of note receivable (R\$700 plus accrued interest R\$35, less collection fee R\$25) .....	   <u>710</u>
	8,137
Less: Bank service charge.....	<u>28</u>
Adjusted cash balance per books .....	<u>R\$8,109</u>

(b) July 31	Cash.....	710	
	Miscellaneous Expense.....	25	
	Notes Receivable .....		700
	Interest Revenue .....		35
31	Miscellaneous Expense.....	28	
	Cash .....		28

## EXERCISE 7-12

(a)

**MARIN SA**  
**Bank Reconciliation**  
**September 30**

Cash balance per bank statement .....		£16,122
Add: Deposits in transit.....		<u>4,450</u>
		20,572
Less: Outstanding checks .....		<u>2,383</u>
Adjusted cash balance per bank .....		<u>£18,189</u>
Cash balance per books.....		£17,404
Add: Collection of note receivable (£1,500 + £30) ....	£ 1,530	
Interest earned .....	<u>45</u>	<u>1,575</u>
		18,979
Less: NSF check .....	725	
Safety deposit box rent .....	<u>65</u>	<u>790</u>
Adjusted cash balance per books .....		<u>£18,189</u>

(b) Sept. 30	Cash .....	1,530	
	Notes Receivable .....		1,500
	Interest Revenue.....		30
30	Cash .....	45	
	Interest Revenue.....		45
30	Accounts Receivable—Violet Jones .....	725	
	Cash .....		725
30	Miscellaneous Expense .....	65	
	Cash .....		65

## EXERCISE 7-13

(a) Deposits in transit:		
Deposits per books in July .....		€15,750
Less: Deposits per bank in July .....	€15,600	
Deposits in transit, June 30 .....	<u>(920)</u>	
July receipts deposited in July .....		<u>14,680</u>
Deposits in transit, July 31.....		<u>€ 1,070</u>

## EXERCISE 7-13 (Continued)

(b) Outstanding checks:

Checks per books in July .....		€17,200
Less: Checks clearing bank in July .....	€16,400	
Outstanding checks, June 30 .....	<u>(880)</u>	
July checks cleared in July .....		<u>15,520</u>
Outstanding checks, July 31 .....		<u>€ 1,680</u>

(c) Deposits in transit:

Deposits per bank statement in		
September .....		€26,700
Add: Deposits in transit, September 30 .....		<u>2,800</u>
Total deposits to be accounted for .....		29,500
Less: Deposits per books .....		<u>25,400</u>
Deposits in transit, August 31 .....		<u>€ 4,100</u>

(d) Outstanding checks:

Checks clearing bank in September .....		€24,500
Add: Outstanding checks, September 30 ...		<u>2,100</u>
Total checks to be accounted for .....		26,600
Less: Cash disbursements per books .....		<u>23,700</u>
Outstanding checks, August 31 .....		<u>€ 2,900</u>

## EXERCISE 7-14

(a) Cash and cash equivalents should be reported at £83,500.

Cash in bank .....	£41,000
Cash on hand .....	8,000
Petty cash .....	500
Highly liquid investments .....	<u>34,000</u>
	<u>£83,500</u>

(b) “Cash in plant expansion fund” should be reported as part of long-term investments (a noncurrent asset). “Receivables from customers” should be reported as accounts receivable in the current assets. “Share investments” should also be reported in the current assets.

(c) Nayak should disclose in the financial statements an explanation of what entails each cash equivalent.

# SOLUTIONS TO PROBLEMS

## PROBLEM 7-1A

### Principles

### Application to Cash Disbursements

**Establishment of responsibility.**

Only the treasurer and assistant treasurer are authorized to sign checks.

**Segregation of duties.**

Invoices must be approved by both the purchasing agent and the receiving department supervisor. Payment can only be made by the treasurer or assistant treasurer, and the check signers do not record the cash disbursement transactions.

**Documentation procedures.**

Checks are prenumbered. Following payment, invoices are stamped PAID.

**Physical controls.**

Blank checks are kept in a safe in the treasurer's office. Only the treasurer and assistant treasurer have access to the safe. A checkwriting machine is used in writing checks.

**Independent internal verification.**

The check signer compares the check with the approved invoice prior to issue. Bank and book balances are reconciled monthly by the assistant chief accountant.

**Human resource controls.**

All employees who handle or record cash are bonded.



<b>PROBLEM 7-2A</b>
---------------------

(a)	July	1	Petty Cash .....	200.00	
			Cash .....		200.00
		15	Freight-out.....	87.00	
			Postage Expense .....	51.40	
			Entertainment Expense .....	46.60	
			Miscellaneous Expense.....	11.20	
			Cash Over and Short .....	1.80	
			Cash .....		198.00
		31	Freight-out.....	82.10	
			Charitable Contribution Expense.....	45.00	
			Postage Expense .....	25.50	
			Miscellaneous Expense.....	39.40	
			Cash .....		192.00
	Aug.	15	Freight-out.....	75.60	
			Entertainment Expense .....	43.00	
			Postage Expense .....	33.00	
			Miscellaneous Expense.....	37.00	
			Cash Over and Short.....		1.60
			Cash .....		187.00
		16	Petty Cash .....	100.00	
			Cash .....		100.00
		31	Postage Expense .....	133.00	
			Travel Expense.....	95.60	
			Freight-out.....	47.10	
			Cash Over and Short .....	1.30	
			Cash .....		277.00

(b)

### Petty Cash

Date	Explanation	Ref.	Debit	Credit	Balance
July 1		CP	200		200
Aug. 16		CP	100		300

## **PROBLEM 7-2A (Continued)**

**(c) The internal control features of a petty cash fund include:**

- (1) A custodian is responsible for the fund.**
- (2) A prenumbered petty cash receipt signed by the custodian and the individual receiving payment is required for each payment from the fund.**
- (3) The treasurer's office examines all payments and stamps supporting documents to indicate they were paid when the fund is replenished.**
- (4) Surprise counts can be made at any time to determine whether the fund is intact.**

<b>PROBLEM 7-3A</b>
---------------------

(a)

**TERRELL LTD.  
Bank Reconciliation  
May 31, 2017**

Cash balance per bank statement .....		£6,824.60
Add: Deposit in transit .....	£1,916.15	
Bank error—Bridges check .....	<u>600.00</u>	<u>2,516.15</u>
		9,340.75
Less: Outstanding checks .....		<u>276.25</u>
Adjusted cash balance per bank .....		<u>£9,064.50</u>
Cash balance per books.....		£6,781.50
Add: Collection of note receivable (£3,000 note plus £80 interest less £20 fee) .....		<u>3,060.00</u>
		9,841.50
Less: NSF check .....	£ 640.00	
Error in May 12 deposit (£886.15 – £836.15) .....	50.00	
Error in recording check No. 1181 .....	27.00*	
Check printing charge.....	<u>60.00</u>	<u>777.00</u>
Adjusted cash balance per books .....		<u>£9,064.50</u>

\*£685 – £658

(b) May 31	Cash.....	3,060	
	Miscellaneous Expense.....	20	
	Notes Receivable .....		3,000
	Interest Revenue .....		80
31	Accounts Receivable—Sandy Grifton.....	640	
	Cash .....		640
31	Sales Revenue .....	50	
	Cash .....		50
31	Accounts Payable—Barry Dietz.....	27	
	Cash .....		27
31	Miscellaneous Expense.....	60	
	Cash .....		60

**PROBLEM 7-4A**

**(a)**

**RINTALA LTD**  
**Bank Reconciliation**  
**December 31, 2017**

Cash balance per bank statement .....		£20,154.30
Add: Deposits in transit .....		<u>1,190.40</u>
		21,344.70
Less: Outstanding checks		
No. 3470.....	£ 720.10	
No. 3474.....	1,050.00	
No. 3478.....	621.30	
No. 3481.....	807.40	
No. 3484.....	798.00	
No. 3486.....	<u>1,889.50</u>	<u>5,886.30</u>
Adjusted cash balance per bank .....		<u>£15,458.40</u>
Cash balance per books.....		£12,485.20
Add: Note collected by bank		
(£3,500 note plus £160 interest		
less £15 fee) .....		<u>3,645.00</u>
		16,130.20
Less: NSF check .....	£ 572.80	
Error in recording check No. 3485.....	90.00*	
Error in 12-21 deposit		
(£2,954 – £2,945) .....	<u>9.00</u>	<u>671.80</u>
Adjusted cash balance per books .....		<u>£15,458.40</u>
*£540.80 – £450.80		

<b>(b)</b>	<b>Dec. 31</b>	<b>Cash .....</b>	<b>3,645.00</b>	
		<b>Miscellaneous Expense .....</b>	<b>15.00</b>	
		<b>Notes Receivable .....</b>		<b>3,500.00</b>
		<b>Interest Revenue .....</b>		<b>160.00</b>
	<b>31</b>	<b>Accounts Receivable—D. Chagnon ....</b>	<b>572.80</b>	
		<b>Cash.....</b>		<b>572.80</b>
	<b>31</b>	<b>Accounts Payable.....</b>	<b>90.00</b>	
		<b>Cash.....</b>		<b>90.00</b>
	<b>31</b>	<b>Accounts Receivable.....</b>	<b>9.00</b>	
		<b>Cash.....</b>		<b>9.00</b>

<b>PROBLEM 7-5A</b>
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(a)

**CAYEMBERG AG**  
**Bank Reconciliation**  
**July 31, 2017**

Cash balance per bank statement .....			€24,505
Add: Deposits in transit (1) .....			<u>7,100</u>
			31,605
Less: Outstanding checks (2) .....	€8,460		
Bank error (€255 – €155) .....	<u>100</u>		<u>8,560</u>
Adjusted cash balance per bank .....			<u>€23,045</u>
Cash balance per books .....			€21,550
Add: Collection of note receivable by bank			
(€1,400 note plus €70 interest) .....	€1,470		
Book error (€320 – €230) .....	<u>90</u>		<u>1,560</u>
			23,110
Less: Check printing charge .....			<u>65</u>
Adjusted cash balance per books .....			<u>€23,045</u>
 (1) July receipts per books .....			€81,100
July deposits per bank .....	€81,000		
Less: Deposits in transit,			
June 30 .....	<u>7,000</u>		<u>74,000</u>
Deposits in transit, July 31 .....			<u>€ 7,100</u>
 (2) Disbursements per books			
in July .....			€77,150
Less: Book error .....			<u>90</u>
Total disbursements to			
be accounted for .....			77,060
Checks clearing bank			
in July .....	€74,700		
Add: Bank error .....	€ 100		
Less: June 30			
outstanding checks .....	<u>6,200</u>	<u>6,100</u>	<u>68,600</u>
Outstanding checks,			
July 31 .....			<u>€ 8,460</u>

**PROBLEM 7-5A (Continued)**

<b>(b)</b>	<b>July 31</b>	<b>Cash.....</b>	<b>1,470</b>	
		<b>Notes Receivable.....</b>		<b>1,400</b>
		<b>Interest Revenue .....</b>		<b>70</b>
	<b>31</b>	<b>Cash.....</b>	<b>90</b>	
		<b>Accounts Payable .....</b>		<b>90</b>
	<b>31</b>	<b>Miscellaneous Expense.....</b>	<b>65</b>	
		<b>Cash .....</b>		<b>65</b>

## PROBLEM 7-6A

**Rob has created a situation that leaves many opportunities for undetected theft. Here is a list of some of the deficiencies in internal control. You may find others.**

- 1. Documentation procedures. The tickets were unnumbered. By numbering the tickets, the students could have been held more accountable for the tickets. See number 3 below.**
- 2. Physical controls and establishment of responsibility. The tickets were left in an unlocked box on his desk. Instead, Rob should have assigned control of the tickets to one individual, in a locked box which that student alone had control over.**
- 3. Documentation procedures. No record was kept of which students took tickets to sell or how many they took. In combination with items 1 and 2 above, the student assigned control over the tickets should have kept a record of which tickets were issued to each student for resale. (Note: This problem could have been largely avoided if the tickets had only been sold at the door on the day of the dance.)**
- 4. Documentation procedures. There was no control over unsold tickets. This deficiency made it possible for students to sell the tickets, keep the cash, and tell Rob that they had disposed of the unsold tickets. Instead, students should have been required to return the unsold tickets to the student maintaining control over tickets, and the cash to Rob. In each case, the students should have been issued a receipt for the cash they turned in and the tickets they returned.**
- 5. Establishment of responsibility. Inadequate control over the cash box. In effect, it was operated like a petty cash fund, but too many people had the key. Instead, Rob should have had the key and dispersed funds when necessary for purchases.**
- 6. Documentation procedures. Instead of receipts, students simply wrote notes saying how they used the funds. Instead, it should have been required that they provided a valid receipt.**

## **PROBLEM 7-6A (Continued)**

- 7. Segregation of duties. Erik Radley counted the funds, made out the deposit slip, and took the funds to the bank. This made it possible for Erik Radley to take some of the money and deposit the rest since there was no external check on his work. Rob should have counted the funds, with someone observing him. Then he could have made out the deposit slip and had Erik Radley deposit the funds.**
- 8. Documentation procedures. Rob did not receive a receipt from Obnoxious AI. Without a receipt, there is no way to verify how much Obnoxious AI was actually paid. For example, it is possible that he was only paid \$100 and that Rob took the rest.**
- 9. Segregation of duties. Sobia Hamm was collecting tickets and receiving cash for additional tickets sold. Instead, there should have been one person selling tickets at the door and a second person collecting tickets.**



## PROBLEM 7-1B

### (a) Principles

### Application to Orpheum Theater

Establishment of responsibility.

Only cashiers are authorized to sell tickets. Only the manager and cashier can handle cash.

Segregation of duties.

The duties of receiving cash and admitting customers are assigned to the cashier and to the usher. The manager maintains custody of the cash, and the company accountant records the cash.

Documentation procedures.

Tickets are prenumbered. Cash count sheets are prepared. Deposit slips are prepared.

Physical controls.

A safe is used for the storage of cash and a machine is used to issue tickets.

Independent internal verification.

Cash counts are made by the manager at the end of each cashier's shift. Daily comparisons are made by the company treasurer.

Human resource controls.

Shifts are rotated among the cashiers.

### (b) Actions by the usher and cashier to misappropriate cash might include:

- (1) Instead of tearing the tickets, the usher could return the tickets to the cashier who could resell them, and the two could divide the cash.
- (2) The cashier could issue a lower price ticket than paid for and the usher would admit the customer. The difference between the ticket issued and the cash received could be divided between the usher and cashier.

<b>PROBLEM 7-2B</b>
---------------------

(a)	July	1	Petty Cash .....	100.00	
			Cash.....		100.00
		15	Freight-out .....	51.00	
			Postage Expense .....	20.50	
			Entertainment Expense .....	23.10	
			Miscellaneous Expense .....	4.10	
			Cash.....		94.90
			Cash Over and Short.....		3.80
		31	Freight-out .....	43.50	
			Charitable Contribution Expense.....	20.00	
			Postage Expense .....	20.10	
			Miscellaneous Expense .....	9.30	
			Cash.....		92.90
	Aug.	15	Freight-out .....	40.20	
			Entertainment Expense .....	21.00	
			Postage Expense .....	14.00	
			Miscellaneous Expense .....	19.80	
			Cash Over and Short.....	3.00	
			Cash.....		98.00
		16	Petty Cash .....	50.00	
			Cash.....		50.00
		31	Freight-out .....	74.00	
			Entertainment Expense .....	43.20	
			Postage Expense .....	17.70	
			Cash Over and Short.....	2.10	
			Cash.....		137.00

(b)

### Petty Cash

Date	Explanation	Ref.	Debit	Credit	Balance
July 1		CP	100		100
Aug. 16		CP	50		150

## **PROBLEM 7-2B (Continued)**

**(c) The internal control features of a petty cash fund include:**

- (1) A custodian is responsible for the fund.**
- (2) A prenumbered petty cash receipt signed by the custodian and the individual receiving payment is required for each payment from the fund.**
- (3) The treasurer's office examines all payments and stamps supporting documents to indicate they were paid when the fund is replenished.**
- (4) Surprise counts can be made at any time to determine whether the fund is intact.**

<b>PROBLEM 7-3B</b>
---------------------

(a) **AGLIFE GENETICS LTD.**  
**Bank Reconciliation**  
**May 31, 2017**

Cash balance per bank statement .....		£12,648
Add: Deposit in transit .....	£2,100	
Bank error—River Lune check.....	<u>900</u>	<u>3,000</u>
		15,648
Less: Outstanding checks .....		<u>1,425</u>
Adjusted cash balance per bank .....		<u>£14,223</u>
Cash balance per books.....		£13,287
Add: Collection of note receivable		
(£4,000 note plus £100 interest		
less £25 fee) .....		<u>4,075</u>
		17,362
Less: NSF check .....	£2,012	
Error in May 12 deposit .....	100	
Error in recording check No. 1181.....	992*	
Check printing charge .....	<u>35</u>	<u>3,139</u>
Adjusted cash balance per books .....		<u>£14,223</u>

\*£1,102 – £110

(b) May 31	Cash .....	4,075	
	Miscellaneous Expense .....	25	
	Notes Receivable.....		4,000
	Interest Revenue .....		100
31	Accounts Receivable—Tyler Gricius .....	2,012	
	Cash .....		2,012
31	Sales Revenue .....	100	
	Cash .....		100
31	Accounts Payable—M. Datz.....	992	
	Cash .....		992
31	Miscellaneous Expense .....	35	
	Cash .....		35

<b>PROBLEM 7-4B</b>
---------------------

(a)

**BRASILIA SA**  
**Bank Reconciliation**  
**November 30, 2017**

Balance per bank statement .....		R\$ 9,100
Add: Deposits in transit .....		<u>1,581</u>
		10,681
Less: Outstanding checks		
No. 2451.....	R\$700	
No. 2472.....	170	
No. 2478.....	300	
No. 2482.....	350	
No. 2484.....	460	
No. 2485.....	525	
No. 2487.....	340	
No. 2488.....	<u>635</u>	<u>3,480</u>
Adjusted cash balance per bank .....		<u>R\$ 7,201</u>
Balance per books.....		R\$ 5,969
Add: Note collected by bank		
(R\$1,300 note plus R\$91 interest		
less R\$16 fee) .....		<u>1,375</u>
		7,344
Less: Check printing charge.....	R\$ 35	
Error in recording check No. 2479 .....	90*	
Error in 11-21 deposit		
(R\$1,642 – R\$1,624) .....	<u>18</u>	<u>143</u>
Adjusted cash balance per books .....		<u>R\$ 7,201</u>

\*R\$980 – R\$890

## PROBLEM 7-4B (Continued)

(b)	Nov. 30	Cash .....	1,375	
		Miscellaneous Expense .....	16	
		Notes Receivable .....		1,300
		Interest Revenue .....		91
30		Miscellaneous Expense .....	35	
		Cash .....		35
30		Accounts Payable .....	90	
		Cash .....		90
30		Accounts Receivable .....	18	
		Cash .....		18

<b>PROBLEM 7-5B</b>
---------------------

(a)

**TIZANI SpA**  
**Bank Reconciliation**  
**August 31, 2017**

Cash balance per bank statement .....		€17,146
Add: Deposits in transit (1) .....	€ 4,729	
Bank error (€295 – €275) .....	<u>20</u>	<u>4,749</u>
		21,895
Less: Outstanding checks (2) .....		<u>4,424</u>
Adjusted cash balance per bank .....		<u>€17,471</u>
 Cash balance per books .....		€12,815
Add: Collection of note receivable by bank		
(€4,400 note plus €105 interest) .....	€ 4,505	
Book error (€480 – €340) .....	140	
Interest earned .....	<u>41</u>	<u>4,686</u>
		17,501
Less: Safety deposit box rent .....		<u>30</u>
Adjusted cash balance per books .....		<u>€17,471</u>
 (1) August receipts per books .....		€50,050
August deposits per bank .....	€47,521	
Less: Deposits in transit, July 31 .....	<u>2,200</u>	<u>45,321</u>
Deposits in transit, August 31 .....		<u>\$ 4,729</u>
 (2) Disbursements per books in		
August .....		€47,794
Less: Book error .....		<u>140</u>
Total disbursements to be		
accounted for .....		47,654
Checks clearing bank in		
August .....	€46,175	
Less: Bank error .....	€ 20	
July 31 outstanding		
checks .....	<u>2,925</u>	<u>2,945</u>
Outstanding checks,		<u>43,230</u>
August 31 .....		<u>€ 4,424</u>

**PROBLEM 7-5B (Continued)**

<b>(b)</b>	<b>Aug. 31</b>	<b>Cash .....</b>	<b>4,505</b>	
		<b>Notes Receivable .....</b>		<b>4,400</b>
		<b>Interest Revenue .....</b>		<b>105</b>
	<b>31</b>	<b>Cash .....</b>	<b>140</b>	
		<b>Accounts Payable .....</b>		<b>140</b>
	<b>31</b>	<b>Cash .....</b>	<b>41</b>	
		<b>Interest Revenue .....</b>		<b>41</b>
	<b>31</b>	<b>Miscellaneous Expense .....</b>	<b>30</b>	
		<b>Cash.....</b>		<b>30</b>



<b>PROBLEM 7-6B</b>
---------------------

(a)

**STUPENDOUS Ltd.  
Bank Reconciliation  
October 31, 2017**

<b>Balance per bank statement .....</b>		<b>£15,313.00</b>
<b>Plus: Undeposited receipts .....</b>		<b><u>3,226.18</u></b>
		<b>18,539.18</b>
<b>Less: Outstanding checks</b>		
<u>No.</u>	<u>Amount</u>	<u>No.</u> <u>Amount</u>
62	£107.74	862      £132.10
183	127.50	863      192.78
284	215.26	864      140.49 .....
		<b><u>915.87</u></b>
<b>Adjusted balance per bank .....</b>		<b><u>£17,623.31</u></b>
<b>Cash balance per books.....</b>		<b>£18,608.81</b>
<b>Add: Bank credit (collection of note receivable).....</b>		<b><u>460.00</u></b>
<b>Adjusted balance per books (before theft) .....</b>		<b>19,068.81</b>
<b>Less: Theft .....</b>		<b><u>1,445.50*</u></b>
<b>Adjusted balance per books .....</b>		<b><u>£17,623.31</u></b>

**\*£19,068.81 – £17,623.31**

(b) The cashier attempted to cover the theft of £1,445.50 by:

1. Not listing as outstanding three checks totaling £450.50 (No. 62, £107.74; No. 183, £127.50; and No. 284, £215.26).
2. Underfooting the outstanding checks listed by £75.00 (The correct total is £465.37.)
3. Subtracting the £460 bank credit from the book balance instead of adding it to the book balance, thereby concealing £920 of the theft.

## **PROBLEM 7-6B (Continued)**

- (c)**
- 1. The principle of independent internal verification has been violated because the cashier prepared the bank reconciliation.**
  - 2. The principle of segregation of duties has been violated because the cashier had access to the accounting records and also prepared the bank reconciliation.**

# COMPREHENSIVE PROBLEM SOLUTION

(a)	Dec. 7	Cash.....	3,600	
		Accounts Receivable .....		3,600
	12	Inventory.....	12,000	
		Accounts Payable .....		12,000
	17	Accounts Receivable .....	16,000	
		Sales Revenue .....		16,000
		Cost of Goods Sold .....	10,000	
		Inventory .....		10,000
	19	Salaries and Wages Expense.....	2,200	
		Cash .....		2,200
	22	Accounts Payable .....	12,000	
		Cash (€12,000 X .99) .....		11,880
		Inventory .....		120
	26	Cash (€16,000 X .98) .....	15,680	
		Sales Discounts .....	320	
		Accounts Receivable .....		16,000
	31	Cash.....	2,700	
		Accounts Receivable .....		2,700

## COMPREHENSIVE PROBLEM SOLUTION (Continued)

(b) & (e)

### General Ledger

#### Cash

12/1 Bal.	18,200	12/19	2,200
12/7	3,600	12/22	11,880
12/26	15,680	12/31	680
12/31	2,700		
12/31	2,000		
12/31 Bal.	27,420		

#### Notes Receivable

12/1 Bal.	2,000	12/31	2,000
12/31 Bal.	- 0 -		

#### Accounts Receivable

12/1 Bal.	7,500	12/7	3,600
12/17	16,000	12/26	16,000
12/31	680	12/31	2,700
12/31 Bal.	1,880		

#### Inventory

12/1 Bal.	16,000	12/17	10,000
12/12	12,000	12/22	120
12/31 Bal.	17,880		

#### Prepaid Insurance

12/1 Bal.	1,600	12/31	400
12/31 Bal.	1,200		

#### Equipment

12/1 Bal.	28,000		
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#### Accumulated to Depreciation— Equipment

	12/1 Bal.	3,000
	12/31	200
	12/31 Bal.	3,200

#### Accounts Payable

12/22	12,000	12/1 Bal.	6,100
		12/12	12,000
		12/31 Bal.	6,100

#### Share Capital—Ordinary

	12/1 Bal.	50,000
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#### Retained Earnings

	12/1 Bal.	14,200
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#### Sales Revenue

	12/17	16,000
	12/31 Bal.	16,000

#### Sales Discounts

12/26	320	
12/31 Bal.	320	

#### Cost of Goods Sold

12/17	10,000	
12/31 Bal.	10,000	

#### Depreciation Expense

12/31	200	
12/31 Bal.	200	

#### Salaries and Wages Expense

12/19	2,200	
12/31 Bal.	2,200	

#### Insurance Expense

12/31	400	
12/31 Bal.	400	

## COMPREHENSIVE PROBLEM SOLUTION (Continued)

(c)

### PAPADOPOULOS SA Bank Reconciliation December 31, 2017

<b>Cash balance per bank statement .....</b>		<b>€25,930</b>
<b>Add: Deposits in transit .....</b>		<b><u>2,700</u></b>
		<b>28,630</b>
<b>Less: Outstanding checks .....</b>		<b><u>1,210</u></b>
<b>Adjusted cash balance per bank .....</b>		<b><u>€27,420</u></b>
 <b>Cash balance per books .....</b>		 <b>€26,100</b>
<b>Add: Collection of note receivable .....</b>		<b><u>2,000</u></b>
		<b>28,100</b>
<b>Less: NSF check.....</b>		<b><u>680</u></b>
<b>Adjusted cash balance per books .....</b>		<b><u>€27,420</u></b>
(d)	Dec. 31 Cash .....	2,000
	Notes Receivable .....	2,000
31	Accounts Receivable .....	680
	Cash.....	680
31	Depreciation Expense .....	200
	Accumulated Depreciation— Equipment .....	200
31	Insurance Expense.....	400
	Prepaid Insurance.....	400

## COMPREHENSIVE PROBLEM SOLUTION (Continued)

(f) **PAPADOPOULOS SA**  
Adjusted Trial Balance  
December 31, 2017

	DR.	CR.
Cash .....	€27,420	
Accounts Receivable .....	1,880	
Inventory .....	17,880	
Prepaid Insurance .....	1,200	
Equipment.....	28,000	
Accumulated Depreciation—Equipment ...		€ 3,200
Accounts Payable .....		6,100
Share Capital—Ordinary.....		50,000
Retained Earnings.....		14,200
Sales Revenue.....		16,000
Sales Discounts .....	320	
Cost of Goods Sold.....	10,000	
Depreciation Expense.....	200	
Salaries and Wages Expense .....	2,200	
Insurance Expense.....	400	
	<u>€89,500</u>	<u>€89,500</u>

(g) **PAPADOPOULOS SA**  
Income Statement  
For the Month Ending December 31, 2017

Sales revenue.....		€16,000
Less: Sales discounts .....		<u>320</u>
Net sales .....		15,680
Cost of goods sold.....		<u>10,000</u>
Gross profit .....		5,680
Operating expenses		
Salaries and wages expense .....	€2,200	
Insurance expense .....	400	
Depreciation expense.....	<u>200</u>	<u>2,800</u>
Net income.....		<u>€ 2,880</u>

## COMPREHENSIVE PROBLEM SOLUTION (Continued)

(g)

**PAPADOPOULOS SA**  
**Statement of Financial Position**  
**December 31, 2017**

<u>Assets</u>			
Property, plant, and equipment			
Equipment.....	€28,000		
Less: Accumulated depreciation—equipment .....	<u>3,200</u>		€24,800
Current assets			
Prepaid insurance .....	1,200		
Inventory .....	17,880		
Accounts receivable.....	1,880		
Cash .....	<u>27,420</u>		<u>48,380</u>
Total assets .....			<u>€73,180</u>
<u>Equity and Liabilities</u>			
Equity			
Share capital ordinary .....	€50,000		
Retained earnings (€14,200 + €2,880) ..	<u>17,080</u>		€67,080
Current liabilities			
Accounts payable.....			<u>6,100</u>
Total equity and liabilities. ....			<u>€73,180</u>

**Part 1**

The weaknesses in internal accounting controls in the system recommended by Mike are:

- (1) The cash could be stolen from Mike's vehicle before it is deposited in the bank.
- (2) Mike could potentially steal from the company and then cover the theft because of a lack of segregation of duties between the handling of cash, bank reconciling process, and recording of transactions in the accounting records.
- (3) The accounting information for the business could be lost or stolen if it is all stored on Mike's laptop.
- (4) Mike should not be able to write checks to himself as this leaves the company vulnerable to theft.

Improvements should include the following:

- (1) Cash should be deposited in the bank daily. At a minimum cash should be locked in a safe until such as time as it can be deposited.
- (2) Mike should be responsible for the accounting function only. Natalie (or some other independent person) should sign all checks and make all deposits. Checks should be signed only when there is documentation present to support the payment. All invoices should be stamped "PAID" to avoid duplicate payment.
- (3) Bank reconciliations should be prepared by a person independent of the handling and recording of cash. However, this may not be possible in a small organization such as Matcha Creations. At a minimum, Meiling and not Mike should prepare bank reconciliations monthly.



## MC7 (Continued)

### Part 1 (Continued)

- (4) The accounting records should be maintained on site and regular back-ups should be prepared. It would be best if Mike used a computer at Matcha Creations to prepare the accounting information; however, if he is going to use his laptop, Mei-ling should ensure that she is provided with a regular back-up of all the accounting records. This ensures that if Mike should ever lose his laptop or decide to no longer perform Matcha Creation's accounting, Mei-ling would still have access to the company's accounting records.
- (5) Mike should submit a monthly invoice for the work he has done to Mei-ling for her approval. Mei-ling should then write and sign the check.

### Part 2

(a)

**MATCHA CREATIONS**  
**Bank Reconciliation**  
**June 30, 2017**

Cash balance per bank statement.....		NT\$3,359
Add: Deposit in transit .....	NT\$110	
Bank error Check No. 603 (NT\$452 – NT\$425) ..	<u>27</u>	<u>137</u>
		3,496
Less: Outstanding checks (NT\$238 + NT\$297).....		<u>535</u>
Adjusted cash balance per bank .....		NT\$ <u>2,961</u>
Cash balance per books .....		\$3,224
Less: Service charge .....	NT\$ 13	
Error in deposit June 20 <sup>th</sup> (NT\$155 – NT\$125)...	30	
Telus .....	85	
NSF check (NT\$100 + NT\$35 service charge)...	<u>135</u>	<u>263</u>
Adjusted cash balance per books.....		NT\$ <u>2,961</u>

## MC7 (Continued)

### Part 2 (Continued)

(b)	June 30	Miscellaneous Expense .....	13	
		Cash .....		13
	30	Service Revenue .....	30	
		Cash .....		30
	30	Utilities Expense .....	85	
		Cash .....		85
	30	Accounts Receivable .....	135	
		Cash .....		135

Check: NT\$3,224 – NT\$13 – NT\$30 – NT\$85 – NT\$135  
= NT\$2,961 adjusted cash balance

- (c) If a statement of financial position were prepared, cash at June 30th, 2017 would be NT\$2,961.

(a) (Amounts in millions of New Taiwan Dollars)	<u>2013</u>	<u>2012</u>
Cash and cash equivalents	NT\$242,695.4	NT\$143,410.6

- (b) Note 4 : Summary of Significant Accounting policies states: Cash equivalents, for the purpose of meeting short-term cash commitments, consist of highly liquid time deposits and investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.

	<u>Petra Foods</u>	<u>Nestlé</u>
(a) (1)	US\$196,707 thousand	CHF6,415 million
(2)	(US\$ 7,287 thousand)	CHF14,992 million

- (b) Nestle generated significant cash from operating activities but Petra Foods did not. Petra Foods supported its operations and increased cash during the year by selling subsidiaries. The cash provided by investing activities was used to purchase property, plant and equipment, repay loans, and pay dividends.

Nestlé used its cash from operating activities to cover capital expenditures, repay loans, and pay dividends.

Both companies increased cash balances during 2013 and appear to have managed cash well.

- (a) The system of internal control should be evaluated by: (1) responsible individuals from a particular university unit, (2) internal and external auditors, and (3) university management.**
- (b) Some red flags which may indicate existence of white-collar crime include:**
  - ☐ **Employee living beyond his/her means**
  - ☐ **Employee having outside business interest**
  - ☐ **Rising department expenses**
  - ☐ **Too much control in key employees**
- (c) Internal audits' role at Boston College includes reviews of the adequacy of the system of internal control in all major aspects of University operations as well as detecting fraud. Internal auditors must have a strong knowledge of all aspects of white-collar crime and related audit detection techniques.**
- (d) Two computer operations controls include: (1) critical computer equipment should be located in a locked room with access limited to systems administrators, and (2) backup data on a regular basis and store data off-site.**

- (a) The weaknesses in internal accounting control over collections are:**
- (1) Each usher could take cash from the collection plates enroute to the basement office.**
  - (2) The head usher counts the cash alone.**
  - (3) The head usher's notation of the count is left in the safe.**
  - (4) The financial secretary counts the cash alone.**
  - (5) The financial secretary withholds £150 to £200 per week.**
  - (6) The cash is vulnerable to robbery when kept in the safe overnight.**
  - (7) Checks are made payable to "cash."**
  - (8) The financial secretary has custody of the cash, maintains church records, and prepares the bank reconciliation.**
- (b) The improvements should include the following:**
- (1) The ushers should transfer their cash collections to a cash pouch (or bag) held by the head usher. The transfer should be witnessed by a member of the finance committee.**
  - (2) The head usher and finance committee member should take the cash to the office. The cash should be counted by the head usher and the financial secretary in the presence of the finance committee member.**
  - (3) Following the count, the financial secretary should prepare a deposit slip in duplicate for the total cash received, and the secretary should immediately deposit the cash in the bank's night deposit vault.**
  - (4) At the end of each month, a member of the finance committee should prepare the bank reconciliation.**
- (c) The policies that should be changed are:**
- (1) Members should make checks payable to the church.**
  - (2) A petty cash fund should be established for the financial secretary to be used for weekly cash expenditures and requests for replenishment of the fund should be sent to the chairperson of the finance committee for approval.**
  - (3) The financial secretary should be bonded.**
  - (4) The financial secretary should be required to take an annual vacation.**

Mr. Michael Kelly  
Sullivan Company  
Main Street, USA

Dear Mr. Kelly:

During our audit of your financial statements, we reviewed the internal controls over cash receipts. The weaknesses we discovered and our suggested improvements are listed below.

<u>Weaknesses</u>	<u>Suggested Improvement</u>
1. A list of checks received is not prepared by the person who opens the mail.	This list should be prepared so that it can later be compared with the daily cash summary. While this procedure does not assure that all checks will be listed, it does allow the company to verify that all checks on the list did get deposited.
2. Mail is opened by only one person.	When this occurs, there is no assurance that all incoming checks are forwarded to the cashier's department.
3. The cashier is allowed to open the mail.	Under this arrangement, it is possible for the cashier to open the mail, prepare the cash summary and make the bank deposit. This involves no segregation of duties as the cashier controls the cash from the time it is received until it is deposited in the bank.
4. The accounts receivable clerk is allowed to open the mail.	Again, there is poor segregation of duties. In this case, the clerk could writeoff a customer's account as uncollectible and then misappropriate the collection when it's received.

## **BYP 7-5 (Continued)**

### **Weaknesses**

5. Mail receipts are deposited weekly.

### **Suggested Improvement**

This makes the receipts vulnerable to robbery and to misappropriation. The receipts should be deposited intact daily.

We would be pleased to discuss the weaknesses and our recommended improvements with you, at your convenience.

Yours sincerely,

**Murphy, Mooney, and Feeney**  
**Chartered Accountants**



- (a) You, as assistant controller, may suffer some negative effects from Anne Shirley, the financial vice-president, if you don't follow her instructions. Maybe the insurance company will react the way Anne suggests, but probably not.

If you comply and falsify the June 30 cash balance by holding the cash receipts book open for one day, you will suffer personally by sacrificing your integrity. If you are found out, you could be prosecuted for preparing a fraudulent report. The insurance company, as the lender and creditor, is deceived.

- (b) Holding the cash receipts book open in order to overstate the cash balance is a fraudulent, deceitful, unethical action. The financial vice-president should not encourage such behavior and a controller should not follow such instructions.
- (c) (1) You can follow the vice-president's instructions and misstate the cash balance—wrong! (2) You can advise the vice-president against holding the books open, prepare an accurate report, and have the vice-president or the president discuss the situation with the insurance company. It can be explained that the low cash balance was only temporary. Honesty is still the best policy.

**GAAP7-1**

Companies listed on U.S. stock exchanges must comply with the Sarbanes-Oxley Act. This compliance gives investors greater assurance that these companies have adequate internal controls in place. In addition, the auditors for these publicly traded companies must attest to the effectiveness of such controls. This process can result in discovery of weaknesses that companies had previously overlooked. After correcting these weaknesses to satisfy auditors, investors may find such companies to be less risky and therefore better investments.

In order to comply with SOX, a company must document its internal control procedures and have an auditor attest to their effectiveness. Doing so costs money. A recent study indicated that audit fees can double in the first year of a company's compliance. Since this cost is incurred only if a company lists on U.S. exchanges, many investors see SOX compliance as a costly undertaking.

**GAAP7-2**

- (a) True.
- (b) False. Different cultures have different perspectives on bribery and other questionable activities.
- (c) False. Cash (not cash equivalents) is comprised of cash on hand and demand deposits.
- (d) False. SOX was created by the U.S. Congress.

**GAAP 7-3**

- (a) In the Report, it states that “the financial statements referred to above [including the statement of cash flows] present fairly, in all material respects, the financial position of Apple Inc. as of September 28, 2013 and September 29, 2012, and the results of its operations and its cash flows for each of the three years in the period ended September 28, 2013, in conformity with U.S. generally accepted accounting principles.”**
- (b) The cash and cash equivalents reported on the statements of financial position for 2013 and 2012 were \$14,259 (millions) and 10,746 (millions) respectively.**
- (c) The activities identified on the statement of cash flows are: operating, investing, and financing.**
- (d) Cash equivalents are defined as “all highly liquid investments with maturities of three months or less at the date of purchase.”**
- (e) The Company’s management is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rule 13a-15(f) under the Exchange Act). Management conducted an evaluation of the effectiveness of the Company’s internal control over financial reporting based on the criteria set forth in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (“COSO”). Based on the Company’s assessment, management has concluded that its internal control over financial reporting was effective as of September 28, 2013 to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with GAAP. The Company’s independent registered public accounting firm, Ernst & Young LLP, has issued an audit report on the Company’s internal control over financial reporting, which appears in Part II, Item 8 on Form 10-K.**