

## Chapter 3 An Introduction to Consolidated Financial Statements

### 3.1 Multiple Choice Questions

1) What method must be used if FASB Statement No. 94 prohibits full consolidation of a 70% owned subsidiary?

- A) The cost method
- B) The Liquidation value
- C) Market value
- D) Equity method

Answer: D

Objective: LO2

Difficulty: Easy

2) From the standpoint of accounting theory, which of the following statements is the best justification for the preparation of consolidated financial statements?

- A) In substance the companies are separate, but in form the companies are one entity.
- B) In substance the companies are one entity, but in form they are separate.
- C) In substance and form the companies are one entity.
- D) In substance and form the companies are separate entities.

Answer: B

Objective: LO2

Difficulty: Easy

3) Panini Corporation owns 85% of the outstanding voting stock of Strathmore Company and Malone Corporation owns the remaining 15% of Strathmore's voting stock. On the consolidated financial statements of Panini Corporation and Strathmore, Malone is

- A) an affiliate.
- B) a noncontrolling interest.
- C) an equity investee.
- D) a related party.

Answer: B

Objective: LO2

Difficulty: Easy

4) A subsidiary can be excluded from consolidation if

- A) control does not rest with the majority owner.
- B) the subsidiary is in legal reorganization.
- C) the subsidiary is operating under severe foreign-exchange restrictions.
- D) All of the above are correct.

Answer: D

Objective: LO2

Difficulty: Easy

5) Pregler Inc. has 70% ownership of Sach Company, but should exclude Sach from its consolidated financial statements if

- A) Sach is in a regulated industry.
- B) Pregler uses the equity method for Sach.
- C) Sach is in legal reorganization.
- D) Sach is in a foreign country and records its books in a foreign currency.

Answer: C

Objective: LO2

Difficulty: Moderate

6) Subsequent to an acquisition, the parent company and consolidated financial statement amounts would not be the same for

- A) investments in unconsolidated subsidiaries.
- B) investments in consolidated subsidiaries.
- C) capital stock.
- D) ending retained earnings.

Answer: B

Objective: LO4

Difficulty: Easy

7) On June 1, 2014, Puell Company acquired 100% of the stock of Sorrell Inc. On this date, Puell had Retained Earnings of \$100,000 and Sorrell had Retained Earnings of \$50,000. On December 31, 2014, Puell had Retained Earnings of \$120,000 and Sorrell had Retained Earnings of \$60,000. The amount of Retained Earnings that appeared in the December 31, 2014 consolidated balance sheet was

- A) \$120,000.
- B) \$130,000.
- C) \$170,000.
- D) \$180,000.

Answer: A

Explanation: A) (the parent's retained earnings)

Objective: LO4

Difficulty: Moderate

8) Perth Corporation acquired a 100% interest in Sansone Company for \$1,600,000 when Sansone had no liabilities. The book values and fair values of Sansone's assets were:

	<u>Book Value</u>	<u>Fair Value</u>
Current assets	\$350,000	\$400,000
Equipment	150,000	210,000
Land & buildings	<u>570,000</u>	<u>590,000</u>
Total assets	<u>\$1,070,000</u>	<u>\$1,200,000</u>

Immediately following the acquisition, equipment will be included on the consolidated balance sheet at

- A) \$150,000.
- B) \$200,000.
- C) \$210,000.
- D) \$280,000.

Answer: C

Explanation: C) The assets will be recorded at fair value. When investment cost (\$1,600,000) exceeds the fair value of net assets (\$1,200,000), the difference is goodwill.

Objective: LO6

Difficulty: Moderate

9) A newly acquired subsidiary had pre-existing goodwill on its books. The parent company's consolidated balance sheet will

- A) not show any value for the subsidiary's pre-existing goodwill.
- B) treat the goodwill similarly to other intangible assets of the acquired company.
- C) not show any value for the pre-existing goodwill unless all other assets of the subsidiary are stated at their full fair value.
- D) always show the pre-existing goodwill of the subsidiary at its book value.

Answer: A

Objective: LO6

Difficulty: Moderate

10) The unamortized excess account is

- A) a contra-equity account.
- B) used in allocating the amounts paid for recorded balance sheet accounts that are above or below their fair values.
- C) used in allocating the amounts paid for each asset and liability that are above or below their book values, especially when numerous assets or liabilities are involved.
- D) the excess purchase cost that is attributable to goodwill.

Answer: C

Objective: LO6

Difficulty: Easy

11) On January 1, 2014, Packaging International purchased 90% of Shipaway Corporation's outstanding shares for \$135,000 when the fair value of Shipaway's net assets were equal to the book values. The balance sheets of Packaging and Shipaway Corporations at year-end 2013 are summarized as follows:

	<u>Packaging</u>	<u>Shipaway</u>
Assets	\$590,000	\$180,000
Liabilities	\$70,000	\$30,000
Capital stock	360,000	90,000
Retained earnings	160,000	60,000

If a consolidated balance sheet was prepared immediately after the business combination, the noncontrolling interest would be

- A) \$9,000.
- B) \$13,500.
- C) \$15,000.
- D) \$16,667.

Answer: C

Explanation: C)  $\$135,000 / 90\% = \$150,000 \times 10\% = \$15,000$ .

Objective: LO5

Difficulty: Moderate

12) On July 1, 2014, when Salaby Company's total stockholders' equity was \$360,000, Pogana Corporation purchased 14,000 shares of Salaby's common stock at \$30 per share. Salaby had 20,000 shares of common stock outstanding both before and after the purchase by Pogana, and the book value of Salaby's net assets on July 1, 2014 was equal to the fair value. On a consolidated balance sheet prepared at July 1, 2014, goodwill would be

- A) \$60,000.
- B) \$85,714.
- C) \$100,000.
- D) \$240,000.

Answer: D

Explanation: D)

Salaby's cost = $14,000 \times \$30$	<u>\$420,000</u>
Implied fair value of Salaby( $\$420,000/0.70$ )	600,000
Less: Book value	<u>(360,000)</u>
Consolidated Goodwill	<u>\$240,000</u>

Objective: LO5

Difficulty: Moderate

13) Percy Inc. acquired 80% of the outstanding stock of Sillson Company in a business combination. The book values of Sillson's net assets are equal to the fair values except for the building, whose net book value and fair value are \$500,000 and \$800,000, respectively. At what amount is the building reported on the consolidated balance sheet?

- A) \$400,000
- B) \$500,000
- C) \$640,000
- D) \$800,000

Answer: D

Objective: LO6

Difficulty: Moderate

14) In the preparation of consolidated financial statements, which of the following intercompany transactions must be eliminated as part of the preparation of the consolidation working papers?

- A) All revenues, expenses, gains, losses, receivables, and payables
- B) All revenues, expenses, gains, and losses but not receivables and payables
- C) Receivables and payables but not revenues, expenses, gains, and losses
- D) Only sales revenue and cost of goods sold

Answer: A

Objective: LO8

Difficulty: Easy

15) Pardo Corporation paid \$140,000 for a 70% interest in Spedeal Inc. on January 1, 2014, when Spedeal had Capital Stock of \$50,000 and Retained Earnings of \$100,000. Fair values of identifiable net assets were the same as recorded book values. During 2014, Spedeal had income of \$40,000, declared dividends of \$15,000, and paid \$10,000 of dividends. On December 31, 2014, the consolidated financial statements will show

- A) investment in Spedeal account of \$170,000.
- B) investment in Spedeal account of \$165,000.
- C) consolidated goodwill of \$50,000.
- D) consolidated dividends receivable of \$5,000.

Answer: C

Explanation: C)

Implied fair value of Spedeal( $\$140,000/0.70$ )	\$200,000
Less: Book value	<u>(150,000)</u>
Consolidated Goodwill	<u>\$50,000</u>

Objective: LO6

Difficulty: Moderate

16) Pental Corporation bought 90% of Sedacor Company's common stock at its book value of \$400,000 on January 1, 2014. During 2014, Sedacor reported net income of \$130,000 and paid dividends of \$40,000. At what amount should Pental's Investment in Sedacor account be reported on December 31, 2014?

- A) \$400,000
- B) \$481,000
- C) \$490,000
- D) \$530,000

Answer: B  
Objective: LO6  
Difficulty: Moderate

17) Pomograte Corporation bought 75% of Sycamore Company's common stock, with a book value of \$900,000, on January 2, 2014 for \$750,000. The law firm of Dewey, Cheatham and Howe was paid \$55,000 to facilitate the purchase. At what amount should Pomograte's Investment in Sycamore account be reported on January 2, 2014?

- A) \$675,000
- B) \$695,000
- C) \$750,000
- D) \$845,000

Answer: C  
Objective: LO6  
Difficulty: Moderate

18) Pinata Corporation acquired an 80% interest in Smackem Inc. for \$130,000 on January 1, 2014, when Smackem had Capital Stock of \$125,000 and Retained Earnings of \$25,000. Assume the fair value and book value of Smackem's net assets were equal on January 1, 2014. Pinata's separate income statement and a consolidated income statement for Pinata and Subsidiary as of December 31, 2014, are shown below.

	<u>Pinata</u>	<u>Consolidated</u>
Sales revenue	\$145,850	\$234,750
Income from Smackem	12,600	
Cost of sales	(60,000)	(100,000)
Other expenses	(20,000)	(50,000)
Noncontrolling interest share		<u>(3,150)</u>
Net income	<u>\$ 78,450</u>	<u>\$ 81,600</u>

Smackem's separate income statement must have reported net income of

- A) \$13,750.
- B) \$14,750.
- C) \$15,750.
- D) \$15,250.

Answer: C  
Explanation: C) Noncontrolling interest share  $\$3,150 / 20\% = \$15,750$   
Objective: LO8  
Difficulty: Moderate

19) In the consolidated income statement of Wattlebird Corporation and its 85% owned Forest subsidiary, the noncontrolling interest share was reported at \$45,000. Assume the book value and fair value of Forest's net assets were equal at the acquisition date. What amount of net income did Forest have for the year?

- A) \$52,941
- B) \$38,250
- C) \$235,000
- D) \$300,000

Answer: D

Explanation: D)  $\$45,000 / 15\% = \$300,000$

Objective: LO8

Difficulty: Moderate

20) Push-down accounting

- A) requires a subsidiary to use the same accounting principles as its parent company.
- B) is required when the parent company uses the equity method to account for its investment in a subsidiary.
- C) is required when the parent company uses the cost method to account for its investment in a subsidiary.
- D) is the process of recording the effects of the purchase price assignment directly on the books of the subsidiary.

Answer: D

Objective: LO8

Difficulty: Easy

## 3.2 Exercises

1) Passerby International purchased 80% of Standaround Company's outstanding common stock for \$200,000 on January 2, 2014. At that time, the fair value of Standaround's net assets were equal to the book values. The balance sheets of Passerby and Standaround at January 2, 2014 are summarized as follows:

	<u>Passerby</u>	<u>Standaround</u>
Assets	\$1,600,000	\$470,000
Liabilities	\$840,000	\$230,000
Capital stock	360,000	50,000
Retained earnings	400,000	190,000

Required: Determine the consolidated balances as of January 2, 2014 for the following five balance sheet line items: Goodwill, Liabilities, Capital Stock, Retained Earnings, and Noncontrolling Interest.

Answer:

Goodwill:

Implied fair value of company ( $\$200,000/0.80$ )	\$250,000
Less: Fair value of Identifiable Net Assets	<u>(240,000)</u>
Consolidated Goodwill	<u>\$ 10,000</u>

Liabilities:  $\$840,000 + 230,000 = 1,070,000$

Capital Stock: \$360,000

Retained Earnings: \$400,000

Noncontrolling interest: Implied fair value of Standaround at date of purchase (see Goodwill calculation)  
 $= \$250,000 \times 20\% = \$50,000$

Objective: LO5

Difficulty: Moderate



2) Parrot Inc. acquired an 85% interest in Sparrow Corporation on January 2, 2014 for \$42,500 cash when Sparrow had Capital Stock of \$15,000 and Retained Earnings of \$25,000. Sparrow's assets and liabilities had book values equal to their fair values except for inventory that was undervalued by \$2,000. Balance sheets for Parrot and Sparrow on January 2, 2014, immediately after the business combination, are presented in the first two columns of the consolidated balance sheet working papers.

	Parrot	Sparrow	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 63,500	\$ 4,000			
Accounts Receivable-net	75,000	9,000			
Inventories	39,000	10,000			
Plant assets-net	170,000	35,000			
Investment in Sparrow	42,500				
<b>Total Assets</b>	<b>\$ 390,000</b>	<b>\$58,000</b>			
<b>EQUITIES</b>					
Payables	\$ 120,000	\$18,000			
Capital stock	100,000	15,000			
Retained Earnings	170,000	25,000			
Noncontrolling Interest					
<b>TOTAL EQUITIES</b>	<b>\$ 390,000</b>	<b>\$58,000</b>			

Required:

Complete the consolidation balance sheet working papers for Parrot and subsidiary at January 1, 2014.

Answer:

Preliminary computations

Implied fair value of Sparrow (\$42,500 / 85%)	\$50,000
Book value of Sparrow's net assets	<u>(40,000)</u>
Excess fair value over book value acquired =	<u>\$ 10,000</u>

Allocation of excess of fair value over book value:

Inventory	\$2,000
Remainder to goodwill	<u>8,000</u>
Excess of fair value over book value	<u>\$ 10,000</u>

	Parrot	Sparrow	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
ASSETS					
Cash	\$ 63,500	\$ 4,000			\$67,500
Accounts Receivable-net	75,000	9,000			84,000
Inventories	39,000	10,000	a 2,000		51,000
Plant assets-Net	170,000	35,000			205,000
Investment in Sparrow	42,500			a 42,500	
Goodwill			a 8,000		8,000
Total Assets	\$ 390,000	\$58,000			\$415,500
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EQUITIES					
Payables	\$ 120,000	\$18,000			\$138,000
Capital stock	100,000	15,000	a 15,000		100,000
Retained Earnings	170,000	25,000	a 25,000		170,000
Noncontrolling Interest				a 7,500	7,500
Total equities	\$ 390,000	\$58,000			\$415,500
			\$50,000	\$50,000	

Objective: LO4

Difficulty: Moderate

3) On January 1, 2014, Myna Corporation issued 10,000 shares of its own \$10 par value common stock for 9,000 shares of the outstanding stock of Berry Corporation in an acquisition. Myna common stock at January 1, 2014 was selling at \$70 per share. Just before the business combination, balance sheet information of the two corporations was as follows:

	Myna Book <u>Value</u>	Berry Book <u>Value</u>	Berry Fair <u>Value</u>
Cash	\$25,000	\$12,000	\$12,000
Inventories	55,000	32,000	36,000
Other current assets	110,000	90,000	110,000
Land	100,000	30,000	90,000
Plant and equipment-net	<u>660,000</u>	<u>250,000</u>	<u>375,000</u>
	<u>\$950,000</u>	<u>\$414,000</u>	<u>\$623,000</u>
Liabilities	\$220,000	\$50,000	\$50,000
Capital stock, \$10 par value	500,000	100,000	
Additional paid-in capital	170,000	40,000	
Retained earnings	<u>60,000</u>	<u>224,000</u>	
	<u>\$950,000</u>	<u>\$414,000</u>	

Required:

1. Prepare the journal entry on Myna Corporation's books to account for the investment in Berry Company.
2. Prepare a consolidated balance sheet for Myna Corporation and Subsidiary immediately after the business combination.

Answer:

Requirement 1:

Investment in Berry Co.	700,000	
Capital stock		100,000
Additional paid-in capital		600,000

Requirement 2:

Preliminary computations

Fair value (purchase price) of 90% interest acquired	\$700,000
Implied fair value of Berry (\$700,000 / 90%)	\$777,778
Book value of Berry's net assets	<u>(364,000)</u>
Excess fair value over book value acquired =	<u>\$413,778</u>

Allocation of excess of fair value over book value:

Inventory	\$4,000
Other current assets	20,000
Land	60,000
Plant assets	125,000
Remainder to goodwill	<u>204,778</u>
Excess of fair value over book value	<u>\$413,778</u>

	Myna	Berry	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 25,000	\$ 12,000			\$ 37,000
Inventories	55,000	32,000	b 4,000		91,000
Other current Assets	110,000	90,000	b 20,000		220,000
Land	100,000	30,000	b 60,000		190,000
Plant assets	660,000	250,000	b 125,000		1,035,000
Goodwill			b 204,778		204,778
Investment in Berry	700,000			a 700,000	
Unamortized Excess			a 413,778	b 413,778	
<b>Total Assets</b>	<b>\$ 1,650,000</b>	<b>\$414,000</b>			<b>\$1,777,778</b>
<b>EQUITIES</b>					
<b>Liabilities</b>	<b>\$ 220,000</b>	<b>\$ 50,000</b>			<b>\$270,000</b>
Capital stock	600,000	100,000	a 100,000		600,000
Additional paid-in capital	770,000	40,000	a 40,000		770,000
Retained Earnings	60,000	224,000	a 224,000		60,000
Noncontrolling Interest				a 77,778	77,778
<b>Total equities</b>	<b>\$ 1,650,000</b>	<b>\$414,000</b>			<b>\$1,777,778</b>

Objective: LO4  
Difficulty: Moderate

4) On July 1, 2014, Polliwog Incorporated paid cash for 21,000 shares of Salamander Company's \$10 par value stock, when it was trading at \$22 per share. At that time, Salamander's total stockholders' equity was \$597,000, and they had 30,000 shares of stock outstanding, both before and after the purchase. The book value of Salamander's net assets is believed to approximate the fair values.

Requirement 1: Prepare the journal entry that Polliwog would record at the date of acquisition on their general ledger.

Requirement 2: Calculate the balance of the goodwill that would be recorded on Polliwog's general ledger, on Salamander's general ledger, and in the consolidated financial statements.

Answer:

Requirement 1:

Investment in Salamander	462,000	
Cash		462,000

Requirement 2:

There is no goodwill recorded on the general ledger of the Polliwog or Salamander. The goodwill is recorded in consolidation only, as calculated below:

Polliwog's cost = 21,000 × \$22 =	\$462,000
Divided by percentage(21,000/30,000)	<u>70%</u>
Implied fair value of Salamander	660,000
Less: Book Value	<u>(597,000)</u>
Consolidated Goodwill	<u>\$63,000</u>

Objective: LO5

Difficulty: Moderate

5) The consolidated balance sheet of Pasker Corporation and Shishobee Farm, its 80% owned subsidiary, as of December 31, 2014, contains the following accounts and balances:

Pasker Corporation and Subsidiary  
Consolidated Balance Sheet  
at December 31, 2014

	<u>Balances</u>
Cash	\$57,000
Accounts receivable-net	210,000
Inventories	330,000
Other current assets	255,000
Plant assets-net	870,000
Goodwill from consolidation	<u>117,000</u>
	<u>\$1,839,000</u>
Accounts payable	\$219,000
Other liabilities	210,000
Capital stock	1,050,000
Retained earnings	240,000
Noncontrolling interest	<u>120,000</u>
	<u>\$1,839,000</u>

Pasker Corporation acquired its interest in Shishobee Farm on January 1, 2014, when Shishobee Farm had \$450,000 of Capital Stock and \$210,000 of Retained Earnings. Shishobee Farm's net assets had fair values equal to their book values when Pasker acquired its interest. No changes have occurred in the amount of outstanding stock since the date of the business combination. Pasker uses the equity method of accounting for its investment.

Required: Determine the following amounts:

1. The balance of Pasker's Capital Stock and Retained Earnings accounts at December 31, 2014.
2. Cost of Pasker's purchase of Shishobee Farm on January 1, 2014.

Answer:

Requirement 1:

On the consolidated balance sheet, the balance in the Capital Stock and Retained Earnings accounts will be those of the parent, so the Capital Stock balance is \$1,050,000, and the Retained Earnings balance is \$240,000.

Requirement 2:

Shishobee Farm's equity on January 1, 2014 =

(\$450,000 + \$210,000) =	\$660,000
Consolidated (original) Goodwill =	<u>117,000</u>
Original implied value =	777,000
Ownership	× 80%
Amount paid at time of acquisition =	<u>\$621,600</u>

Objective: LO6, 7

Difficulty: Difficult

6) Polaris Incorporated purchased 80% of The Solar Company on January 2, 2014, when Solar's book value was \$800,000. Polaris paid \$700,000 for their acquisition, and the fair value of noncontrolling interest was \$175,000. At the date of acquisition, the fair value and book value of Solar's identifiable assets and liabilities were equal. At the end of the year, the separate companies reported the following balances:

	<u>Polaris</u>	<u>Solar</u>
Current assets	5,700,000	1,250,000
Plant & equipment	15,200,000	3,400,000
Investment in Solar	780,000	0
Goodwill	0	0
Current liabilities	3,600,000	950,000
Long-term debt	11,680,000	2,800,000
Stockholder's Equity	6,400,000	900,000

Requirement 1: Calculate consolidated balances for each of the accounts as of December 31, 2014.

Requirement 2: Assuming that Solar has paid no dividends during the year, what is the ending balance of the noncontrolling interest in the subsidiary?

Answer:

Requirement 1:

Current Assets =  $5,700,000 + 1,250,000 = 6,950,000$

Plant & Equipment =  $15,200,000 + 3,400,000 = 18,600,000$

Investment in Solar = 0 (eliminated in consolidation)

Goodwill = Paid \$700,000 for 80% ownership, so implied fair value of company is \$875,000. If Book Value of net assets at that date was \$800,000, implied Goodwill amounts to \$75,000.

Current Liabilities =  $\$3,600,000 + 950,000 = \$4,550,000$

Long-term debt =  $11,680,000 + 2,800,000 = \$14,480,000$

Stockholders' Equity = 6,400,000 (consolidated balance equals balance in parent's account)

Requirement 2:

Solar equity = \$900,000, then noncontrolling interest should be  $\$900,000 \times 20\% = \$180,000$  + Goodwill attributed to noncontrolling interest of  $(\$75,000 \times 20\%) \$15,000 = \$195,000$

Check this calculation by comparing to balance sheet information calculated above. Total assets calculated = \$25,625,000; Total liabilities calculated = \$19,030,000; Owners' equity = \$6,400,000 + noncontrolling interest of \$195,000 = \$6,595,000.

Objective: LO5, 6

Difficulty: Difficult

7) Park Corporation paid \$180,000 for a 75% interest in Stem Co.'s outstanding Capital Stock on January 1, 2014, when Stem's stockholders' equity consisted of \$150,000 of Capital Stock and \$50,000 of Retained Earnings. Book values of Stem's net assets were equal to their fair values on this date. The adjusted trial balances of Park and Stem on December 31, 2014 were as follows:

	<u>Park</u>	<u>Stem</u>
Cash	\$8,250	\$35,000
Dividends receivable	7,500	
Other current assets	40,000	50,000
Land	50,000	30,000
Plant assets-net	100,000	150,000
Investment in Stem	195,000	
Cost of sales	225,000	125,000
Other expenses	45,000	25,000
Dividends	<u>25,000</u>	<u>20,000</u>
	<u>\$695,750</u>	<u>\$435,000</u>
Accounts payable	\$40,750	\$35,000
Dividends payable		10,000
Capital stock	150,000	150,000
Retained earnings	75,000	50,000
Sales revenue	400,000	190,000
Income from Stem	<u>30,000</u>	<u>          </u>
	<u>\$695,750</u>	<u>\$435,000</u>



Required: Complete the partially prepared consolidated balance sheet working papers that appear below.

	Park	Stem	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 8,250	\$ 35,000			
Dividends Receivable	7,500				
Other current Assets	40,000	50,000			
Land	50,000	30,000			
Plant assets	100,000	150,000			
Investment in Stem	195,000				
<b>Total Assets</b>	<b>\$ 400,750</b>	<b>\$265,000</b>			
<b>EQUITIES</b>					
Accounts payable	\$ 40,750	\$ 35,000			
Dividends Payable		10,000			
Capital stock	150,000	150,000			
Retained Earnings	210,000	70,000			
<b>TOTAL EQUITIES</b>	<b>\$ 400,750</b>	<b>\$265,000</b>			

Answer:

Preliminary computations

Fair value (purchase price) of 75% interest acquired	<u>\$180,000</u>
Implied fair value of Stem (\$180,000 / 75%)	\$240,000
Book value of Stem's net assets	<u>\$(200,000)</u>
Excess fair value over book value acquired	<u>\$40,000</u>
Initial investment cost	\$180,000
Income from Stem: (75%)(40,000)=	30,000
Dividends (\$20,000)(75%) =	<u>-15,000</u>
Balance in Investment in Stem at December 31,2014	<u>\$195,000</u>

Park Corporation and Subsidiary  
Consolidated Balance Sheet Working Papers  
at December 31, 2011

	Park	Stem	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 8,250	\$ 35,000			\$ 43,250
Dividends Receivable	7,500			b \$ 7,500	
Other current Assets	40,000	50,000			90,000
Land	50,000	30,000			80,000
Plant assets	100,000	150,000			250,000
Investment in Stem	195,000			a 195,000	
Goodwill			a \$ 40,000		40,000
<b>Total Assets</b>	<b>\$ 400,750</b>	<b>\$265,000</b>			<b>\$503,250</b>
<b>EQUITIES</b>					
Accounts payable	\$ 40,750	\$ 35,000			\$75,750
Dividends Payable		10,000	b 7,500		2,500
Capital stock	150,000	150,000	a 150,000		150,000
Retained Earnings	210,000	70,000	a 70,000		210,000
Noncontrolling Interest				a 65,000	65,000
<b>Total equities</b>	<b>\$ 400,750</b>	<b>\$265,000</b>			<b>\$503,250</b>
			\$267,500	\$267,500	

Objective: LO5, 6  
Difficulty: Difficult

8) Patterson Company acquired 90% of Starr Corporation on January 1, 2014 for \$2,250,000. Starr had net assets at that time with a fair value of \$2,500,000. At the time of the acquisition, Patterson computed the annual excess fair-value amortization to be \$20,000, based on the difference between Starr's net book value and net fair value. Assume the fair value exceeds the book value, and \$20,000 pertains to the whole company. Separate from any earnings from Starr, Patterson reported net income in 2014 and 2015 of \$550,000 and \$575,000, respectively. Starr reported the following net income and dividend payments:

	<u>2014</u>	<u>2015</u>
Net Income	\$150,000	\$180,000
Dividends	\$30,000	\$30,000

Required: Calculate the following:

- Investment in Starr shown on Patterson's ledger at December 31, 2014 and 2015.
- Investment in Starr shown on the consolidated statements at December 31, 2014 and 2015.
- Consolidated net income for 2014 and 2015.
- Noncontrolling interest balance on Patterson's ledger at December 31, 2014 and 2015.
- Noncontrolling interest balance on the consolidated statements at December 31, 2014 and 2015.

Answer:

Investment in Starr on Patterson's ledger:

December 31, 2014 = \$2,250,000 + Starr Net Income (\$150,000 × 90%) \$135,000 - Dividends received (\$30,000 × 90%) \$27,000 - Excess fair-value amortization (\$20,000 × 90%) \$18,000 = \$2,340,000

December 31, 2015 = \$2,340,000 + Starr Net Income (\$180,000 × 90%) \$162,000 - Dividends received (\$30,000 × 90%) \$27,000 - Excess fair-value amortization (\$20,000 × 90%) \$18,000 = \$2,457,000

Investment in Starr shown on consolidated statements:

Will be -0- at the end of all years in consolidation, as the investment account is eliminated in consolidation.

Consolidated net income:

2014: \$550,000 + 150,000 - excess fv amortization \$20,000 = \$680,000

2015: \$575,000 + 180,000 - excess fv amortization \$20,000 = \$735,000

Noncontrolling interest balance on Patterson's ledger:

Will be -0- at the end of all years on Patterson's ledger, because the noncontrolling owners only have interest in the subsidiary balances and therefore have no interest to be shown on the parent's stand-alone statements.

Noncontrolling interest balance to be shown on the consolidated financial statements:

December 31, 2014: Acquisition date fair value \$2,500,000 × 10% = 250,000 + interest in 2014 net income (\$150,000 × 10%) 15,000 - fv amortization (\$20,000 × 10%) \$2,000 - dividends(\$30,000 × 10%) = \$260,000

December 31, 2015: \$260,000 + interest in 2015 net income (\$180,000 × 10%) 18,000 - fv amortization (\$20,000 × 10%) \$2,000 - dividends(\$30,000 × 10%) = \$273,000

Objective: LO8

Difficulty: Moderate

9) Pool Industries paid \$540,000 to purchase 75% of the outstanding stock of Swimmin Corporation, on December 31, 2014. Any excess fair value over the identified assets and liabilities is attributed to goodwill. The following year-end information was available just before the purchase:

	Pool Book <u>Value</u>	Swimmin Book <u>Value</u>	Swimmin Fair <u>Value</u>
Cash	\$756,000	\$80,000	\$80,000
Accounts Receivable	260,000	152,000	152,000
Inventory	480,000	100,000	120,000
Land	440,000	160,000	140,000
Plant and equipment-net	<u>1,320,000</u>	<u>400,000</u>	<u>430,000</u>
	<u>\$3,256,000</u>	<u>\$892,000</u>	<u>\$922,000</u>
Accounts Payable	\$880,000	\$22,000	\$22,000
Bonds Payable	936,000	200,000	180,000
Capital stock, \$10 par value	400,000		
Capital stock, \$15 par value		450,000	
Additional paid-in capital	400,000	160,000	
Retained earnings	<u>640,000</u>	<u>60,000</u>	
	<u>\$3,256,000</u>	<u>\$892,000</u>	

Required:

1. Prepare Pool's consolidated balance sheet on December 31, 2014.

Answer:

Requirement 1:

Preliminary computations

Fair value (purchase price) of 75% interest acquired on December 31, 2014	<u>\$540,000</u>
Implied fair value of Swimmin (\$540,000 / 75%)	\$720,000
Fair value of Swimmin's net assets	<u>\$(720,000)</u>
Excess implied fair value over fair value acquired	\$0

	Pool	Swimmin	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 216,000	\$80,000			\$ 296,000
Accounts Receivable	260,000	152,000			412,000
Inventory	480,000	100,000	a \$ 20,000		600,000
Land	440,000	160,000		a \$20,000	580,000
PP&E	1,320,000	400,000	a 30,000		1,750,000
Investment in Swimmin	540,000			a 540,000	-0-
<b>Total Assets</b>	<b>\$ 3,256,000</b>	<b>\$892,000</b>			<b>\$3,638,000</b>
<b>EQUITIES</b>					
Accounts Payable	\$ 880,000	\$ 22,000			\$ 902,000
Bonds Payable	936,000	200,000	a 20,000		1,116,000
Capital stock	400,000	450,000	a 450,000		400,000
Additional paid-in capital	400,000	160,000	a 160,000		400,000
Retained earnings	640,000	60,000	a 60,000		640,000
Noncontrolling Interest				a 180,000	180,000
<b>Total equities</b>	<b>\$ 3,256,000</b>	<b>\$892,000</b>			<b>\$3,638,000</b>
			\$740,000	\$740,000	

Objective: LO5, 6  
Difficulty: Moderate

10) Pool Industries paid \$540,000 to purchase 75% of the outstanding stock of Swimmin Corporation, on December 31, 2014. Any excess fair value over the identified assets and liabilities is attributed to goodwill. The following year-end information was available just before the purchase:

	Pool Book Value	Swimmin Book Value	Swimmin Fair Value
Cash	\$756,000	\$80,000	\$80,000
Accounts Receivable	260,000	152,000	152,000
Inventory	480,000	100,000	120,000
Land	440,000	160,000	140,000
Plant and equipment-net	<u>1,320,000</u>	<u>400,000</u>	<u>430,000</u>
	<u>\$3,256,000</u>	<u>\$892,000</u>	<u>\$922,000</u>
Accounts Payable	\$880,000	\$22,000	\$22,000
Bonds Payable	936,000	200,000	180,000
Capital stock, \$10 par value	400,000		
Capital stock, \$15 par value		450,000	
Additional paid-in capital	400,000	160,000	
Retained earnings	<u>640,000</u>	<u>60,000</u>	
	<u>\$3,256,000</u>	<u>\$892,000</u>	

Using the data provided above, assume that Pool decided rather than paying \$540,000 cash, Pool issued 10,000 shares of their own stock to the owners of Swimmin. At the time of issue, the \$10 par value stock had a market value of \$60 per share.

Required: Prepare Pool's consolidated balance sheet on December 31, 2014.

Answer:

Requirement 1:

Preliminary computations

Fair value (purchase price) of 75% interest acquired on December 31, 2014	<u>\$600,000</u>
Implied fair value of Swimmin (\$600,000 / 75%)	\$800,000
Fair value of Swimmin's net assets	<u>\$(720,000)</u>
Excess implied fair value over fair value acquired (goodwill)	<u>\$80,000</u>

	Pool	Swimmin	Eliminations		Consolidated Balance Sheet	
			Debit	Credit		
<b>ASSETS</b>						
Cash	\$ 756,000	\$80,000			\$ 836,000	
Accounts Receivable	260,000	152,000			412,000	
Inventory	480,000	100,000	a	\$ 20,000	600,000	
Land	440,000	160,000		a	\$20,000	580,000
PP&E	1,320,000	400,000	a	30,000		1,750,000
Investment in Swimmin	600,000			a	600,000	-0-
Goodwill			a	80,000		80,000
Total Assets	\$ 3,856,000	\$892,000				\$4,258,000
<b>EQUITIES</b>						
Accounts Payable	\$ 880,000	\$ 22,000			\$ 902,000	
Bonds Payable	936,000	200,000	a	20,000	1,116,000	
Capital stock	500,000	450,000	a	450,000	500,000	
Additional paid-in capital	900,000	160,000	a	160,000	900,000	
Retained Earnings	640,000	60,000	a	60,000	640,000	
Noncontrolling Interest				a	200,000	200,000
Total equities	\$ 3,856,000	\$892,000				\$4,258,000
				\$820,000	\$820,000	

Objective: LO5, 6  
Difficulty: Moderate

11) On July 1, 2014, Piper Corporation issued 23,000 shares of its own \$2 par value common stock for 40,000 shares of the outstanding stock of Sector Inc. in an acquisition. Piper common stock at July 1, 2014 was selling at \$16 per share. Just before the business combination, balance sheet information of the two corporations was as follows:

	Piper Book <u>Value</u>	Sector Book <u>Value</u>	Sector Fair <u>Value</u>
Cash	\$25,000	\$17,000	\$17,000
Inventories	55,000	42,000	47,000
Other current assets	110,000	40,000	30,000
Land	100,000	45,000	35,000
Plant and equipment-net	<u>660,000</u>	<u>220,000</u>	<u>280,000</u>
	<u>\$950,000</u>	<u>\$364,000</u>	<u>\$409,000</u>
Liabilities	\$220,000	\$70,000	\$75,000
Capital stock, \$2 par value	500,000	100,000	
Additional paid-in capital	170,000	90,000	
Retained earnings	<u>60,000</u>	<u>104,000</u>	
	<u>\$950,000</u>	<u>\$364,000</u>	

Required:

1. Prepare the journal entry on Piper Corporation's books to account for the investment in Sector Inc.
2. Prepare a consolidated balance sheet for Piper Corporation and Subsidiary immediately after the business combination.

Answer:

Requirement 1:

Investment in Sector Inc.	368,000	
Capital stock		46,000
Additional paid-in capital		322,000

Requirement 2:

Preliminary computations

Sector stock outstanding \$100,000  
 \$100,000 / \$2 par value = 50,000 shares o/s

40,000 purchased / 50,000 = 80%

Fair value (purchase price) of 80% interest acquired	\$368,000
Implied fair value of Sector (\$368,000 / 80%)	460,000
Book value of Sector's net assets	<u>(294,000)</u>
Excess fair value over book value acquired =	<u>\$166,000</u>

Allocation of excess of fair value over book value:

Inventory	\$5,000
Other current assets	(10,000)



Land	(10,000)
Plant and Equipment	60,000
Liabilities	(5,000)
Remainder to goodwill	<u>126,000</u>
Excess of fair value over book value	<u>\$166,000</u>

Piper Corporation and Subsidiary  
Consolidated Balance Sheet Working Papers  
July 1, 2014

	Piper	Sector	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
ASSETS					
Cash	\$ 25,000	\$ 17,000			\$ 42,000
Inventories	55,000	42,000	b 5,000		102,000
Other current Assets	110,000	40,000		b 10,000	140,000
Land	100,000	45,000		b 10,000	135,000
Plant and equipment--net	660,000	220,000	b 60,000		940,000
Goodwill			b 126,000		126,000
Investment in Sector	368,000			a 368,000	
Unamortized Excess			a 166,000	b 166,000	
Total Assets	\$ 1,318,000	\$ 364,000			\$ 1,485,000
EQUITIES					
Liabilities	\$ 220,000	\$ 70,000		b 5,000	\$ 295,000
Capital stock	546,000	100,000	a 100,000		546,000
Additional paid-in capital	492,000	90,000	a 90,000		492,000
Retained Earnings	60,000	104,000	a 104,000		60,000
Noncontrolling Interest				a 92,000	92,000
Total equities	\$ 1,318,000	\$ 364,000			\$ 1,485,000
			\$ 651,000	\$ 651,000	

Objective: LO5  
Difficulty: Moderate

12) Passcode Incorporated acquired 90% of Safe Systems International for \$540,000, the market value at that time. On the date of acquisition, Safe Systems showed the following balances on their ledger:

	<u>Book Value</u>	<u>Fair Value</u>
Current Assets	\$200,000	\$200,000
Buildings	290,000	320,000
Equipment	410,000	430,000
Liabilities	(350,000)	(360,000)

Safe Systems has determined that their buildings have a remaining life of 10 years, and their equipment has a remaining useful life of 8 years.

Requirement 1: Calculate the amount of goodwill that will appear on the general ledger of Passcode and Safe Systems, as well as the amount that will appear on the consolidated financial statements.

Requirement 2: Calculate the amount of amortization that will appear on the consolidated financial statements for buildings and equipment, and explain how this amortization of excess fair value is shown on the separate general ledgers of Passcode and Safe Systems.

Answer:

Requirement 1:

The consolidated financial statements will show consolidated goodwill of \$10,000.

Amount paid = \$540,000 / 90% = implied fair value of \$600,000.

Book value = \$550,000. Excess payment of \$50,000 allocated as follows:

Buildings	30,000
Equipment	20,000
Liabilities	(10,000)
Goodwill	<u>10,000</u>
	<u>50,000</u>

No goodwill relating to this transaction will appear on the separate general ledger of either Passcode or Safe Systems.

Requirement 2:

The consolidated financial statements will show amortization of these excess fair value amounts:

Buildings = \$30,000 / 10 years = \$3,000 per year

Equipment = 20,000 / 8 years = 2,500 per year

Total \$5,500 per year

Passcode's ledger will show \$4,950 (\$5,500 × 90%) of amortization as a reduction of the Investment in Safe Systems account and a reduction of their interest in the income of Safe Systems.

Safe Systems' ledger will not show any amount of this amortization, unless Passcode chose to employ the push-down method of accounting and record these fair values on the separate ledger of Safe Systems.

Objective: LO4

Difficulty: Moderate

13) Pamula Corporation paid \$279,000 for 90% of Shad Corporation's \$10 par common stock on December 31, 2014, when Shad Corporation's stockholders' equity was made up of \$200,000 of Common Stock, \$60,000 Additional Paid-in Capital and \$40,000 of Retained Earnings. Shad's identifiable assets and liabilities reflected their fair values on December 31, 2014, except for Shad's inventory which was undervalued by \$5,000 and their land which was undervalued by \$2,000. Balance sheets for Pamula and Shad immediately after the business combination are presented in the partially completed working papers.

	Pamula	Shad	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Cash	\$ 26,000	\$ 20,000			
Accounts receivable-net	20,000	30,000			
Inventories	125,000	110,000			
Land	30,000	80,000			
Plant assets -net	320,000	160,000			
Investment in Shad	279,000				
<b>Total Assets</b>	<b>\$ 800,000</b>	<b>\$400,000</b>			
<b>EQUITIES</b>					
Current liabilities	\$ 110,000	\$100,000			
Capital stock	400,000	200,000			
Additional paid-in capital	100,000	60,000			
Retained Earnings	190,000	40,000			
<b>TOTAL EQUITIES</b>	<b>\$ 800,000</b>	<b>\$400,000</b>			

Required:

Complete the consolidated balance sheet working papers for Pamula Corporation and Subsidiary.

Answer:

Preliminary computations

Fair value (purchase price) of 90% interest acquired	\$279,000
Implied fair value of Shad (\$279,000 / 90%)	\$310,000
Book value of Shad's net assets	<u>(300,000)</u>
Excess fair value over book value acquired	<u>\$ 10,000</u>

Allocation of excess of fair value over book value:

Inventory	\$5,000
Land	2,000
Remainder to goodwill	<u>3,000</u>
Excess of fair value over book value	<u>\$ 10,000</u>

Pamula Corporation and Subsidiary  
Consolidated Balance Sheet Working Papers  
at December 31, 2014

	Pamula	Shad	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
ASSETS					
Cash	\$ 26,000	\$ 20,000			\$ 46,000
Receivables-net	20,000	30,000			50,000
Inventories	125,000	110,000	a \$ 5,000		240,000
Land	30,000	80,000	a 2,000		112,000
Plant assets – net	320,000	160,000			480,000
Investment in Shad	279,000			a 279,000	
Goodwill			a 3,000		3,000
Total Assets	\$ 800,000	\$400,000			\$931,000
EQUITIES					
Curr.liabilities	\$ 110,000	\$100,000			\$210,000
Capital Stock	400,000	200,000	a 200,000		400,000
Additional paid-In capital	100,000	60,000	a 60,000		100,000
Retained Earnings	190,000	40,000	a 40,000		190,000
Noncontrolling Interest				a 31,000	31,000
Total equities	\$ 800,000	\$400,000	310,000	310,000	\$931,000

Objective: LO5

Difficulty: Difficult

14) On January 2, 2014, Power Incorporated paid \$630,000 for a 90% interest in Smallsen Company. Smallsen's equity at that time amounted to \$600,000, and their book values for assets and liabilities recorded approximated their fair values. Smallsen did not issue any additional stock in 2014. At December 31, 2014, the two companies' balance sheets are summarized as follows:

Power Incorporated and Subsidiary  
Consolidated Balance Sheet Working Papers  
at December 31, 2014

	Power	Smallsen	Eliminations			Consolidated Balance Sheet
			Debit		Credit	
<b>ASSETS</b>						
Current assets	\$ 1,675,000	\$ 550,000				
Fixed assets	2,350,000	900,000				
Investment in Smallsen	666,000					
Goodwill						
Total Assets	\$ 4,691,000	\$ 1,450,000				
<b>EQUITIES</b>						
Liabilities	\$ 2,800,000	\$ 810,000				
Capital stock	1,200,000	100,000				
Retained Earnings	691,000	540,000				
Noncontrolling Interest						
Total equities	\$ 4,691,000	\$ 1,450,000				

Required: Complete the consolidation worksheet for Power Incorporated and Subsidiary at December 31, 2014.

Answer:

Power Incorporated and Subsidiary  
Consolidated Balance Sheet Working Papers  
at December 31, 2014

	Power	Smallsen	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Current assets	\$ 1,675,000	\$ 550,000			\$2,225,000
Fixed assets	2,350,000	900,000			3,250,000
Investment in Smallsen	666,000			a 666,000	
Goodwill			a \$100,000		100,000
Total assets	\$ 4,691,000	\$1,450,000			\$5,575,000
<b>EQUITIES</b>					
Liabilities	\$ 2,800,000	\$ 810,000			\$3,610,000
Capital stock	1,200,000	100,000	a 100,000		1,200,000
Retained earnings	691,000	540,000	a 540,000		691,000
Noncontrolling Interest				a 74,000	74,000
Total equities	\$ 4,691,000	\$1,450,000			\$5,575,000
			\$740,000	\$740,000	

Objective: LO6

Difficulty: Moderate

15) Pal Corporation paid \$5,000 for a 60% interest in Sonny Inc. on January 1, 2014 when Sonny's stockholders' equity consisted of \$5,000 Capital Stock and \$2,500 Retained Earnings. The fair value and book value of Sonny's assets and liabilities were equal on this date. Two years later, on December 31, 2015, the balance sheets of Pal and Sonny are summarized as follows:

	Pal	Sonny	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Current assets	\$ 12,550	\$ 4,000			
Fixed assets	21,550	6,500			
Investment in Sonny	5,900				
Total Assets	\$ 40,000	\$10,500			
<b>EQUITIES</b>					
Liabilities	\$ 10,000	\$ 1,500			
Capital stock	20,000	5,000			
Retained Earnings	10,000	4,000			
TOTAL EQUITIES	\$ 40,000	\$10,500			

Required:

Complete the consolidated balance sheet working papers for Pal Corporation and Subsidiary at December 31, 2015.

Answer:

Preliminary computations

Fair value (purchase price) of 60% interest acquired January 1, 2014	\$5,000
Implied fair value of Sonny (\$5,000 / 60%)	\$8,333
Book value of Sonny's net assets	<u>(7,500)</u>
Excess fair value over book value acquired	<u>\$ 833</u>

Allocation of excess of fair value over book value:

Remainder to goodwill	<u>833</u>
Excess of fair value over book value	<u>\$ 833</u>

	Pal	Sonny	Eliminations		Consolidated Balance Sheet
			Debit	Credit	
<b>ASSETS</b>					
Current assets	\$ 12,550	\$ 4,000			\$16,550
Fixed assets	21,550	6,500			28,050
Investment in Sonny	5,900			a 5,900	
Goodwill			a 833		833
Total Assets	\$ 40,000	\$10,500			\$45,433
<b>EQUITIES</b>					
Liabilities	\$ 10,000	\$ 1,500			\$11,500
Capital stock	20,000	5,000	a 5,000		20,000
Retained Earnings	10,000	4,000	a 4,000		10,000
Noncontrolling Interest				a 3,933	3,933
Total equities	\$ 40,000	\$10,500			\$45,433
			\$9,833	\$9,833	

Objective: LO6

Difficulty: Moderate



16) Petra Corporation paid \$500,000 for 80% of the outstanding voting common stock of Sizable Corporation on January 2, 2014 when the book value of Sizable's net assets was \$460,000. The fair values of Sizable's identifiable net assets were equal to their book values except as indicated below.

	Book <u>Value</u>	Fair <u>Value</u>
Inventories (sold in 2014)	\$80,000	\$112,000
Buildings-net (15-year life)	200,000	170,000
Note Payable (paid in 2014)	20,000	21,250

Sizable reported net income of \$75,000 during 2014; dividends of \$35,000 were declared and paid during the year.

Required:

1. Prepare a schedule to allocate the fair value/book value differential to the specific identifiable assets and liabilities.
2. Determine Petra's income from Sizable for 2014.
3. Determine the correct balance in the Investment in Sizable account as of December 31, 2014.

Answer:

Preliminary computations

Fair value (purchase price) of 80% interest acquired January 2, 2014	\$500,000
Implied fair value of Sizable (\$500,000 / 80%)	\$625,000
Book value of Sizable's net assets	<u>(460,000)</u>
Excess fair value over book value acquired	<u>\$165,000</u>

Requirement 1

Allocation of excess of fair value over book value:

Inventory	\$32,000
Buildings-net	(30,000)
Note payable	(1,250)
Remainder to goodwill	<u>\$164,250</u>
Excess of fair value over book value	<u>\$165,000</u>

Requirement 2

Petra's share of Sizable income (all at 80%)	\$60,000
Less: Excess allocated in inventory which was sold in the current year	(25,600)
Add: Depreciation adjustment on building (\$24,000 / 15 years)	1,600
Add: Excess allocated to Note payable	<u>1,000</u>
Net adjustment to investment account due to Petra's share of Sizable's income	<u>\$37,000</u>

Requirement 3

Original cost of investment in Sizable	\$500,000
Plus: Petra's share of Sizable's income (from Requirement 2)	37,000
Less: Dividends received (35,000 × 80%)	<u>(28,000)</u>
Investment in Sizable account at December 31, 2014	<u>\$509,000</u>

Objective: LO7, 8

Difficulty: Moderate

17) On January 1, 2014, Parry Incorporated paid \$72,000 cash for 80% of Samuel Company's common stock. At that time Samuel had \$40,000 capital stock and \$30,000 retained earnings. The book values of Samuel's assets and liabilities were equal to fair values, and any excess amount is allocated to goodwill. Samuel reported net income of \$18,000 during 2014 and declared \$5,000 of dividends on December 31, 2014. At the time the dividends were declared, Parry recorded a receivable for the amount they expected to receive the following month. A summary of the balance sheets of Parry and Samuel are shown below.

	Parry	Samuel	Eliminations			Consolidated Balance Sheet
			Debit		Credit	
<b>ASSETS</b>						
Current assets	\$ 100,000	\$ 50,000				
Fixed assets	180,000	75,000				
Investment in Samuel	82,400					
Goodwill						
Total Assets	\$ 362,400	\$125,000				
<b>EQUITIES</b>						
Dividend Payable	\$ 10,000	\$ 5,000				
Other Liabilities	112,400	37,000				
Capital stock	200,000	40,000				
Retained Earnings	40,000	43,000				
Noncontrolling Interest						
Total equities	\$ 362,400	\$125,000				

Required:

Complete the consolidated balance sheet working papers for Parry Corporation and Subsidiary at December 31, 2014.

Answer:

Preliminary computations

Initial investment for 80% ownership of Samuel: \$72,000

Implied fair value of Samuel (\$72,000 / 80%) 90,000

Book Value of Samuel (70,000)

Amount allocated to Goodwill \$20,000

	Parry	Samuel	Eliminations		Consolidated Balance Sheet		
			Debit	Credit			
<b>ASSETS</b>							
Current assets	\$ 100,000	\$ 50,000		b	\$4,000	\$146,000	
Fixed assets	180,000	75,000				255,000	
Investment in Samuel	82,400			a	82,400		
Goodwill			a	\$20,000		20,000	
Total assets	\$ 362,400	\$125,000				\$421,000	
<b>EQUITIES</b>							
Dividend Payable	\$ 10,000	\$ 5,000	b	4,000		\$11,000	
Other Liabilities	112,400	37,000				149,400	
Capital stock	200,000	40,000	a	40,000		200,000	
Retained earnings	40,000	43,000	a	43,000		40,000	
Noncontrolling Interest					a	20,600	20,600
Total equities	\$ 362,400	\$125,000		\$107,000	\$107,000	\$421,000	

Objective: LO6

Difficulty: Moderate

18) On January 1, 2014, Pinnead Incorporated paid \$300,000 for an 80% interest in Shalle Company. At that time, Shalle's total book value was \$300,000. Patents were undervalued in the amount of \$10,000. Patents had a 5-year remaining useful life, and any remaining excess value was attributed to goodwill. The income statements for the year ended December 31, 2014 of Pinnead and Shalle are summarized below:

	<u>Pinnead</u>	<u>Shalle</u>
Sales	\$800,000	\$300,000
Income from Shalle	78,400	
Cost of sales	(100,000)	(100,000)
Depreciation	(70,000)	(30,000)
Other Expenses	<u>(130,000)</u>	<u>(70,000)</u>
Net Income	<u>\$578,400</u>	<u>\$100,000</u>

Requirements:

1. Calculate the goodwill that will appear in the consolidated balance sheet of Pinnead and Subsidiary at December 31, 2014.
2. Calculate consolidated net income for 2014.
3. Calculate the noncontrolling interest share for 2014.

Answer:

Requirement 1

Pinnead paid to acquire 80% of Shalle	<u>\$300,000</u>
Implied fair value of Shalle(\$300,000 / 80%)	375,000
Book Value of Shalle	<u>300,000</u>
Excess fair value over book value of Shalle	<u>\$75,000</u>

Allocation of excess fair value over book value:

Patent	10,000
Goodwill	<u>65,000</u>
Total excess fair value over book value allocated	<u>\$75,000</u>

Consolidated Goodwill = \$65,000

Requirement 2

Pinnead separate net income (\$578,400 - \$78,400)	\$500,000
Shalle separate net income	100,000
Amortization of patent(\$10,000 / 5 yrs)	<u>(2,000)</u>
Consolidated Net Income	<u>\$598,000</u>

Requirement 3

Shalle separate net income	\$100,000
Amortization of excess value (\$10,000 / 5 yrs)	<u>(2,000)</u>
Adjusted net income	98,000
Noncontrolling ownership	<u>20%</u>
Noncontrolling interest share	<u>\$19,600</u>

Objective: LO8

Difficulty: Moderate

19) Pattalle Co purchases Senday, Inc. on January 1 of the current year for \$70,000 more than the fair value of Senday's net assets. Push-down accounting is used. At that date, the following values exist:

	Pattalle		Senday	
	Book Value	Fair Value	Book Value	Fair Value
Cash	3,000,000	3,000,000	200,000	200,000
A/R	5,000,000	4,500,000	350,000	320,000
Building – net	10,000,000	10,300,000	970,000	950,000
Equipment - net	4,000,000	3,800,000	1,600,000	1,400,000
A/P	(3,000,000)	(3,000,000)	(200,000)	(210,000)
Bonds Payable	(12,000,000)	(11,500,000)		
Common Stock	(1,000,000)		(800,000)	
Retained Earnings	(6,000,000)		(2,120,000)	

**Requirement:** Determine what amounts will appear in the listed accounts on Pattalle's general ledger, on Senday's general ledger, and on the consolidated balance sheet immediately following the acquisition. Make sure you post the entry to record the investment on Pattalle's books.

**Answer:**

	Pattalle Ledger	Senday Ledger	Consolidating Entry	Consolidated Statements
Cash	270,000	200,000		470,000
A/R	5,000,000	320,000		5,320,000
Building – net	10,000,000	950,000		10,950,000
Equipment - net	4,000,000	1,400,000		5,400,000
Investment	2,730,000		(2,730,000)	0
Goodwill		70,000		70,000
A/P	(3,000,000)	(210,000)		(3,210,000)
Bonds Payable	(12,000,000)			(12,000,000)
Common Stock	(1,000,000)	(800,000)	800,000	(1,000,000)
Retained Earnings	(6,000,000)			(6,000,000)
Push-down Capital		(1,930,000)	1,930,000	

Objective: LO8

Difficulty: Moderate