Fall 2007

Exam 3 Version 1

SOLUTION

Remember: small rounding errors on time-value-of money problems are common. For all questions: Provide the best answer.

1. Carter Manufacturing Company experienced an accounting event that affected its financial statements as indicated below:

Assets	=	Liab.	+	Equity	Rev.	_	Exp.	=	Net Inc.	Cash Flow
+ -		n/a		n/a	n/a		n/a		n/a	n/a

Which of the following accounting events could have caused the indicated effects on the firm's accounting equation?

Purchased raw materials inventory with cash V, except for CASh flow (there's effect)

Transferred cost of goods completed from work in process to finished goods inventory

- c. Recognized revenue from merchandise sold for cash X, In come Strut
- d. Paying off debt to suppliers X Liab
- e. None of the above
- The Kapoor Company has two divisions with the following 2007 information:

	Restaurants Division	Commissary Division
Operating Income	\$ 4,000,000	\$ 1,500,000
Operating Assets	\$30,000,000	\$10,500,000

Kapoor has a target ROI of 12%.

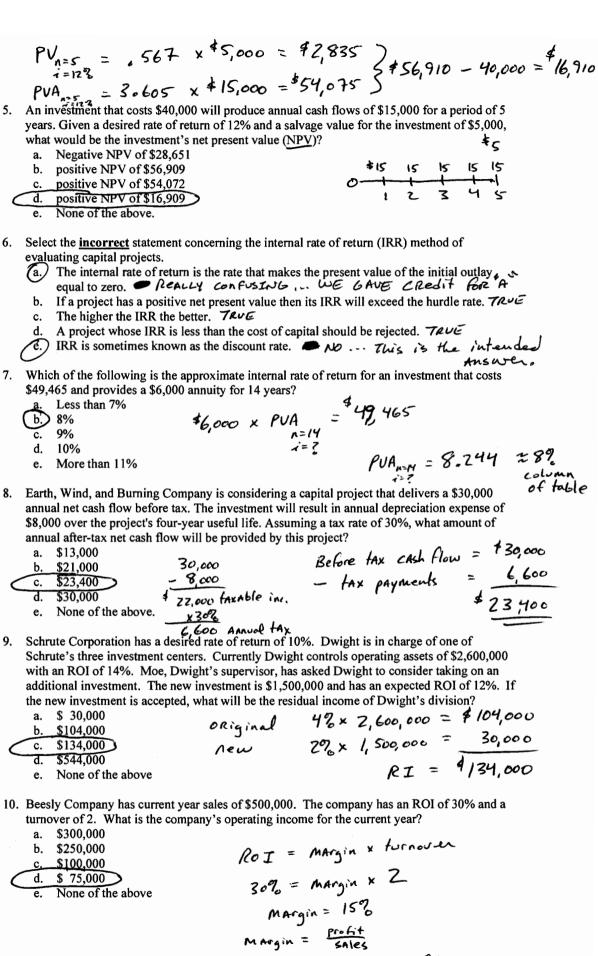
Which division performed better during 2007?

- a. Restaurant Division
- Commissary Division
- Both divisions performed the same.
- d.) It depends on upper management's views of ROI vs residual income.
- e. All the above
- Which of the following correctly computes cost of goods manufactured?
 - a. Beginning finished goods + Cost of goods sold Ending finished goods
 - (b.) Beginning work in process + Direct materials used + Direct labor + Applied overhead -Ending work in process
 - c. Beginning work in process + Direct materials used + Direct labor + Applied overhead
 - Cost of goods sold + raw materials purchased beginning inventory.
 - None of the above
- 4. The Grant Company estimates for the 2007 accounting period that its overhead costs will amount to \$425,000 and that it will work 85,000 direct labor hours. If actual overhead costs for the year amounted to \$465,000 and actual labor hours amounted to 90,000, then overhead would be

1

- overapplied by \$40,000. b. underapplied by \$15,000.
- overapplied by \$15,000. d. underapplied by \$40,000.
- e. None of the above.

Acct 2301



15% x \$500,000 = profit

Exam 3

11. Red and Black, Inc. has two investment opportunities. Both investments cost \$5,000 and will provide the same total future cash inflows. The cash receipt schedule for each investment is given below:

\$1,000	\$3,000
1,000	2,000
2,000	2,000
4,000	_1,000
\$8,000	\$8,000
	1,000

Select the correct statement from the following:

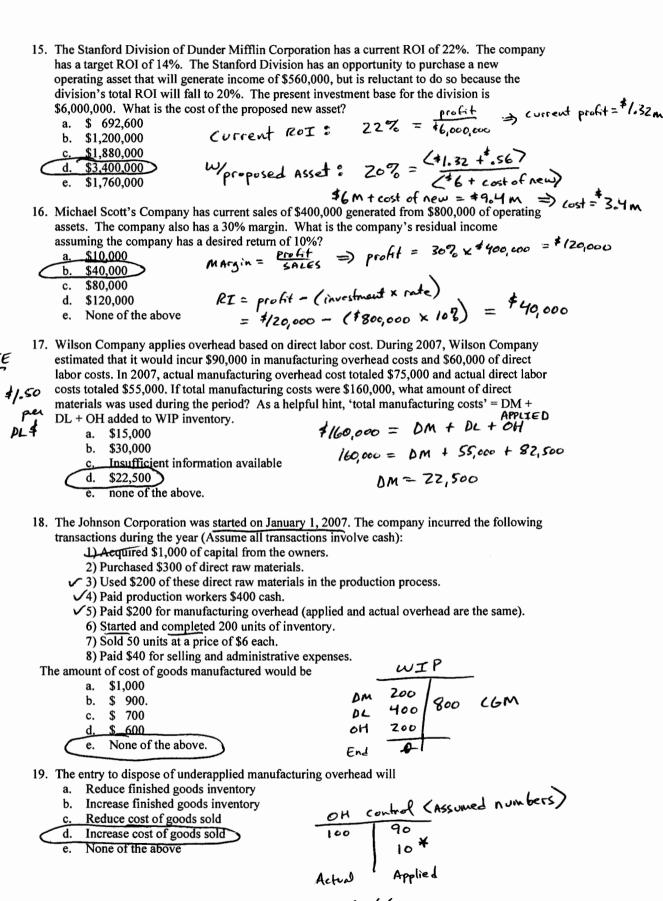
- Red and Black Ink should choose Investment I because of the time value of money. X Red and Black Ink should choose Investment II because it generates more, immediate cash inflows.
 - Red and Black Ink should be indifferent between the two investments because they provide the same total cash inflows.
- d. Time value of money techniques are not useful for comparing these investments X
- Because this was an in-class problem, I'll answer "e" X
- 12. California Hotel Company is considering a capital project that costs \$22,000. The project will deliver the following cash flows:

Year 1	Year 2	Year 3	Year 4	Year 5
\$8,000	\$6,000	\$5,000	\$6,000	\$5,000

Assuming California Hotel evaluates projects using the payback period method, select the correct statement from the following:

- a. Using the incremental approach will result in a shorter payback period than the averaging approach. YES, because more cash during YR I (relative to Aug. Cash)
 - b. Using the averaging approach will result in a shorter payback period than the incremental approach.
 - The incremental approach and the averaging approach will result in the same payback period.
 - None of the above X
 - Both A and C ⊁
- 13. Halpert Company calculated its return on investment as 12%. Sales are currently at \$100,000 and the amount of operating assets is \$300,000. If Elliot reduces expenses by \$9,000 and sales and operating assets remain unchanged, what return on investment will result?

- 14. Product costs are expensed as cost of goods sold
 - a. when the production is complete. X
 - at the start of production X
 - when the related revenue is collected X
 - when the related products are sold
 - e. it depends upon whether the products costs are direct material or direct labor X



¥ 10 |

Exam 3

20. The accounting records for Eisenhower Manufacturing Company disclosed the following cost information for 2007

Direct materials	\$30,000
Direct labor	\$40,000
Fixed manufacturing overhead:	\$50,000
Variable manufacturing overhead	\$10,000

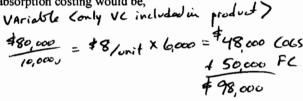
ed the follow.

Absorption $\frac{4/30,000}{10,000} = \frac{4/3}{\sqrt{3}} = \frac{13}{\sqrt{3}} = \frac{13}{$

Assume the company produced 10,000 units and sold 6,000 (also assume there was no beginning inventory). Total expenses under variable and absorption costing would be, respectively

- a. \$130,000 and \$130,000 \$78,000 and \$78,000 \$98,000 and \$78,000 d. \$78,000 and \$98,000
 - e. None of the above

None of the above



21. Jim Company has an investment in assets of \$900,000, income that is 10% of sales, and an ROI

of 18%. Based on this information, the amount of sales would be

a. \$1,620,000

b. \$ 162,000

c. \$ 90,000

d. \$ 10,000

e. None of the above

$$POI = \frac{profit}{investment} \Rightarrow 18\% = \frac{profit}{4900,000}$$

$$POI = \frac{profit}{investment} \Rightarrow 18\% = \frac{profit}{4900,000}$$

$$POI = \frac{profit}{investment} \Rightarrow 18\% = \frac{profit}{4900,000}$$

$$Profit = \frac{4}{620,000} \Rightarrow SALES \times 10\% \Rightarrow Solis = \frac{4}{620,000}$$

22. What is the value today of a payment of cash of \$24,000 to be received in three years, if the rate of return is 10%?

PV = 3 = .7513 x \$24,000 = \$18,031.2 a. \$59,684 b. \$24,000 c. \$18,032 d. \$ 9,651 e. None of the above

23. Antoinette projects that she can get \$60,000 cash per year for 4 years on a real estate investment project. If Antoinette wants to earn a rate of return of 14%, what is the maximum that she should pay for the investment?

e. None of the above

24. At the beginning of the month, Turk Furniture Company had work in process of 500 units that were 80% complete (beginning WIP value = \$8,800). During the month, 5,000 units were transferred to finished goods. At the end of the month, there were 1,000 physical units remaining in WIP (on average, 60% complete). Total manufacturing costs for the month were \$108,109. What is the dollar value of the month-end WIP balance? Use the FIFO equivalent units method.

remaining in WIP (on average, 60% complete). Total manufacturing costs for the month were \$108,109. What is the dollar value of the month-end WIP balance? Use the FIFO equivalent units method.

a. \$19,4830
b. \$13,800
c. \$21,620
d. \$12,474
e. None of the above

End

$$\frac{4 108,109}{5,200} = $20.79 \times 600 = $12,4744 | E.U. 5,7200$$
From 3

25. Cox & Company produces custom cabinets. Last month, the company worked on three jobs – Job 707, Job 808, and Job 909. Cost information from last month follows:

	✓	✓		
	Job 707;	J&b 808/	Job 909	
Beginning Balance	\$5,000	\$3,000	-0-	
Direct Materials	\$10,000	\$12,000	\$14,000	
Direct Labor	\$8, 9 0Q	\$6,Ø0 d	\$10,000	
Direct Labor Hrs	400 hrs	300 hrs\	500 hrs	

SOLD SHILL WIP

Cox applies overhead using a predetermined overhead rate of \$5 per direct labor hour. During the month Job 707 and Job 909 were completed, but Job 808 was not. Job 707 was also sold during the current period. What is the balance in finished goods at the end of the

- a. \$26,500
 - b. \$24,000
 - c. \$25,000
 - d. \$51,500e. None of the above

\$ 14,000 DM \$ 10,000 BL \$ 2,500 OH (\$5 x 500 Lrs) 26,500