

Midterm Exam
ADM2341 Managerial Accounting Fall 2012

Your Professor: Check one Adjaoud Ding Eden

150 minutes

STUDENT NAME:

STUDENT NUMBER:

You may separate the pages but ensure that you put them back together and staple before handing in.

1. Please limit your answer to the space provided. Please indicate if you use the back of a page.
2. The use of standard abbreviations (O/H for Overhead and CM% for Contribution Margin Percentage) is quite acceptable.
3. Budget your time wisely.
4. Please do not ask the invigilators questions. Make reasonable assumptions where necessary.
5. Language dictionaries and calculators are allowed.
6. **You must show calculations.**

Questions	Max Grade
Q.1	20
Q.2	20
Q.3	20
Q.4	20
Q.5	20
Total	100

You must sign the following Statement of Academic Integrity

The School of Management does not condone academic fraud, an act by a student that may result in a false academic evaluation of that student or of another student. Without limiting the generality of this definition, academic fraud occurs when a student commits any of the following offences: plagiarism or cheating of any kind, use of books, notes, mathematical tables, dictionaries or other study aid unless an explicit written note to the contrary appears on the exam, to have in his/her possession cameras, radios (radios with headsets), tape recorders, pagers, cell phones, or any other communication device which has not been previously authorized in writing.

Statement to be signed by the student:

I have read the text on academic integrity and I pledge not to have committed or attempted to commit academic fraud in this examination.

Signed: _____

Note: an examination without this signed statement will not be graded and will receive an exam grade of zero.

QUESTION 1 (20 points)

For each of the following questions, circle the best answer and report your choice on the Scan Sheet

1. The following data are provided by the Woods Corporation for the month of September, 2012:

Cost of goods sold	\$70
Direct labor	\$20
Direct materials	\$25
Finished goods, beginning	\$0
Cost of goods manufactured	\$80
Work-in-process, ending	\$10
Finished goods, ending	\$15
Manufacturing overhead	\$30

Which of the following represents the beginning work-in-process inventory?

- A. \$20
B. \$15
C. \$55
D. \$25
2. During the month of May, Sushi Manufacturing Company purchases \$43,000 of raw materials. The manufacturing overhead totals \$27,000 and the total manufacturing costs are \$106,000. Assuming a beginning inventory of raw materials of \$8,000 and an ending inventory of raw materials of \$6,000, what must be the total for direct labour?
- A. \$34,000.
B. \$38,000.
C. \$36,000.
D. \$45,000.
3. During the month of June, Adm2341 Company incurs \$17,000 of direct labour and \$8,500 of manufacturing overhead, and purchases \$15,000 of raw materials. Between the beginning and the end of the month, the raw-materials inventory increases by \$2,000, the finished goods inventory increases by \$1,500, and the work-in-process inventory decreases by \$3,000. What is the cost of goods manufactured?
- A. \$38,500.
B. \$40,500.
C. \$41,500.
D. \$43,500.
4. Selected information about Golftown Corporation's operations at high and at low levels of activity follows:

Number of units produced	25,000	30,000
Total manufacturing overhead	\$575,000	\$680,000
Direct material cost per unit	\$5	\$5
Direct labor cost per unit	\$6	\$6

Using the high-low method, what is the manufacturing total variable cost per unit of product?

- A. \$11.05.
B. \$21.00.
C. \$32.00.
D. \$35.00.
5. A company increased the selling price for its product from \$1.00 to \$1.10 a unit when total fixed expenses increased from \$400,000 to \$480,000 and the variable expense per unit remained unchanged at \$0.50. How would these changes affect the break-even point?
- A. The break-even point in units would increase.
B. The break-even point in units would decrease.
C. The break-even point in units would remain unchanged.

D. The effect cannot be determined from the information given.

6. A company has provided the following data:

Sales in units	3,000 units
Sales price	\$70 per unit
Variable cost	\$50 per unit
Fixed cost	\$25,000

If the dollar contribution margin per unit is increased by 10%, total fixed cost is decreased by 20%, and all other factors remain the same, what will the outcome be for operating income?

- A. Increase by \$61,000.
- B. Increase by \$20,000.
- C. Increase by \$3,500.
- D. Increase by \$11,000.

7. Couscous Company's sales are 30% in cash and 70% on credit. 60% of the credit sales are collected in the month of sale, 25% in the month following sale, and 12% in the second month following sale. The remainder is uncollectible. The following are budgeted sales data:

	January	February	March	April
Total Sales	\$60,000	\$70,000	\$50,000	\$30,000

What would be the budgeted total cash receipts in April?

- A. \$27,230.
- B. \$36,230.
- C. \$38,900.
- D. \$47,900.

8. Operating leverage reflects the

- A. relationship of a company's variable and fixed expenses.
- B. degree of increase in earnings per share created by borrowing at favorable interest rates.
- C. sales mix of a company's products.
- D. responsiveness of profits to changes in funds devoted to marketing efforts.

9. Once the break-even point is reached, which of the following statements is true?

- A. The total contribution margin changes from negative to positive.
- B. Operating income will increase by the unit contribution margin for each additional item sold.
- C. Variable expenses will remain constant in total.
- D. The contribution margin ratio begins to decrease.

10. The following costs appear in Telfer Company's flexible budget at an activity level of 15,000 machine-hours:

Indirect materials	\$7,800
Factory rent	\$18,000

What would be the flexible budget amounts at an activity level of 12,000 machine hours if indirect material is a variable cost and factory rent a fixed cost?

	Indirect materials	Factory rent
A.	\$7,800	\$14,400
B.	\$7,800	\$18,000
C.	\$6,240	\$14,400
D.	\$6,240	\$18,000

QUESTION 4 (20 POINTS)

Party Time Favours Ltd. is a wholesaler (distributor) of novelties operating nine months of each year from July 1 until March 31 of the following year. From the period April 1 to June 30, the company is idle. The company has \$75,000 in cash on July 1 from earnings which it made last year. During the period of operations, Party Time Ltd. has access to funds from the bank at 12% interest per year. Interest is paid at the end of each month. Borrowing is at the beginning of the month that funds are needed.

The management of Party Time Favours Ltd. wants to develop cash budgets for the coming season (July 1 - March 31). The sales forecast for the coming season is as follows:

July	\$ 6,000
August	50,000
September	400,000
October	600,000
November	500,000
December	200,000
January	6,000

10% of sales are cash, the rest is on credit of which 40% are collected in the month after sale, and 48% are collected two months after the sale. The remaining 2% of sales represent bad debts and are never collected.

Gross margin is 20% of sales. The desired ending inventory is 10% of the cost of sales of the next month. The beginning inventory on July 1 is \$480.

Thirty percent of purchases are paid for in the month of purchase and the remainder in the following month. Accounts payable for merchandise purchases is \$336 at the beginning of July.

Selling and administrative expenses are \$10,000 per month plus 1% of monthly sales. Other expenses (including a depreciation of \$5,000) are \$30,000 in July. All expenses are paid in cash during the month.

Party Time Favours Ltd. feels that it is necessary to maintain a minimum monthly cash balance of \$25,000 during the selling season. The bank allows the company to borrow and repay in increments of \$1,000 at the beginning of the month.

REQUIRED:

- (a) Prepare a budget of sales collections for July and August

c) Compute the sales dollars required to attain the target profit of \$1,900,000, assuming that the company continues to use independent sales agents and the company agrees to their demand for a 25% sales commission.

d) Compute the sales dollars that would be required to generate the target profit of \$1,900,000, assuming that the company employs its own salespersons.

