Cost of Goods Manufactured

EX 1

The following	Information is	available for	Keystone Company	1.
	minor marrion is	avallable in	MCABERINE COLLEGE	

		March 1	March 31
Raw materials inventory		\$12,000	\$10,000
Work in process inventory		2,500	4,000
Materials purchased in March	\$ 90,000		
Direct labor in March	75,000		
Manufacturing overhead in Mar	ch 220,000		
Prepare the cost of goods manuf	actured sch	edule for the mo	onth of March.
Solution;			

Keystone Company Cost of Goods Manufactured Schedule For the Month Ended March 31

Work in process, March 1			\$ 2,500
Direct materials			
Raw materials, March 1	\$ 12,000		
Raw material purchases	90,000		
Total raw materials available for use	102,000		
Less: Raw materials, March 31	10,000		
Direct materials used		\$ 92,000	
Direct labor		75,000	
Manufacturing overhead		220,000	
Total manufacturing costs			387,000
Total cost of work in process			389,500
Less: Work in process, March 31			4,000
Cost of goods manufactured			\$385,500

Balance Sheet

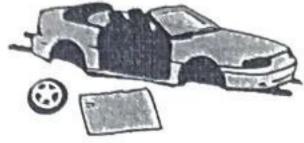
The balance sheet for a merchandising company shows just one category of inventory. In contrast, the balance sheet for a manufacturer may have three inventory accounts, as shown in Illustration 1-8.

Raw Materials Inventory



Shows the cost of raw materials on hand.

Work in Process Inventory



Shows the cost applicable to units that have been started into production but are only partially completed.

Finished Goods Inventory



Shows the cost of completed goods on hand.

Finished Goods Inventory is to a manufacturer what Merchandise Inventory is to a merchandiser. Each of these classifications represents the goods that the company has available for sale.

The current assets sections presented in Illustration 1-9 contrast the presentations of inventories for merchandising and manufacturing companies. Manufacturing companies generally list their inventories in the order of their liquidity—the order in which they are expected to be realized in cash. Thus, finished goods inventory comes first. The remainder of the balance sheet is similar for the two types of companies.

Illustration 1-9

Current assets sections of merchandising and manufacturing balance sheets

Merchandising Company Balance Sheet December 31, 2014		Balar	ring Company nce Sheet per 31, 2014	
Cash Receivables (net) Merchandise inventory Prepaid expenses	\$100,000 210,000 400,000 22,000	Current assets Cash Receivables (net) Inventories Finished goods	\$80,000	\$180,000 210,000
Iotal current assets	\$732,000	Work in process Raw materials Prepaid expenses Total current assets	25,200 22,800	128,000 18,000 \$536,000



Managerial accounting provides financial and nonfinancial information to an organization's managers. Managers include, for example, employees in charge of a company's divisions; the heads of marketing, information technology, and human resources; and top-level managers such as the chief executive officer (CEO) and chief financial officer (CFO). This section explains the purpose of managerial accounting (also called management accounting) and compares it with financial accounting.

Purpose of Managerial Accounting

The purpose of managerial accounting is to provide useful information to aid in three key managerial tasks:

- Determining the costs of an organization's products and services.
- 2. Planning future activities.
- 3. Comparing actual results to planned results
- Cost of goods manufactured Total cost of work in process less the cost of the ending work in process inventory
- <u>Direct labor</u> The work of factory employees that can be physically and directly associated with converting raw materials into finished goods.
- <u>Direct materials</u> Raw materials that can be physically and directly associated with manufacturing the finished product.
- Indirect labor Work of factory employees that has no physical association with the finished product, or for which it is impractical to trace the costs to the goods produced.
- Indirect materials Raw materials that do not physically become part of the finished product or for which it is impractical to trace to the finished product because their physical association with the finished product is too small.
- Managerial accounting A fi eld of accounting that provides economic and financial information for managers and other internal users.
- Manufacturing overhead Manufacturing costs that are indirectly associated with the manufacture of the finished product.
- <u>Period costs</u>: Costs that are matched with the revenue of a specific time period and charged to expense as incurred.
- Product costs: Costs that are a necessary and integral part of producing the finished product.
- Total cost of work in process: Cost of the beginning work in process plus total manufacturing costs for the current period.
- <u>Total manufacturing costs</u>: The sum of direct materials, direct labor, and manufacturing overhead incurred in the current period.

Super Company has the following cost and expense data for the year ending December 31, 2018.

Raw materials, 1/1/18	\$ 30,000	Insurance, factory	\$ 14,000
Raw materials, 1/1/18	20,000	Property taxes, factory building	6,000
Raw materials purchase	205,000		1,500,000
Indirect materials	15,000	Delivery expenses	100,000
Work in process, 1/1/18	80,000	Sales commissions	150,000
Work in process, 12/31/18		Indirect labor	90,000
Finished goods, 1/1/18	110,000	Factory machinery rent	40,000
Finished goods, 12/31/18	120,000	Factory utilities	65,000
Direct labor	350,000	Depreciation, factory building	24,000
Factory manager's salary	35,000	Administrative expenses	300,000

Instructions

- (a) Prepare a cost of goods manufactured schedule for Superior Company for 2018.
- (b) Prepare an income statement for Superior Company for 2018.
- (c) Assume that Super Company's accounting records show the balances of the following current asset accounts: Cash \$17,000, Accounts Receivable (net) \$120,000, Prepaid Expenses \$13,000, and Short-Term Investments \$26,000. Prepare the current assets section of the balance sheet for Superior Company as of December 31, 2018

Solution;

Super Company Cost of Goods Manufactured Schedule
For the Year Ended December 31, 2018

Work in process, 1/1	\$	80,000
Direct materials	-	00,000
Raw materials inventory, 1/1 \$ 30,000		
Raw materials purchases 205,000		
Total raw materials available for use 235,000		
Less: Raw materials inventory, 12/31 20,000		
Direct materials used \$215,000		
Direct labor 350,000		
Mariufacturing overhead		
Indirect labor 90,000		
Factory utilities 65,000		
Factory machinery rent 40,000		
Factory manager's salary 35,000		
Depreciation, factory building 24,000		
Indirect materials 15,000		
Insurance, factory 14,000		
Property taxes, factory building 6,000		
Total manufacturing overhead 289,000		
Total manufacturing costs		854,000
Total cost of work in process	_	
Less: Work in process, 12/31		934,000
		50,000
Cost of goods manufactured	\$	884,000

Super Company Cost of Goods Manufactured Schedule For the Year Ended December 31, 2018

es established		\$1,500,000
Sides revenue		
Cost of goods sold Finished goods inventory, January 1 Cost of goods manufactured	\$110,000 884,000	
Cost of goods available for sale	994,000	
Less: Finished goods inventory. December 31	120,000	
Cost of goods sold		874,000
Gross profit		626,000
Operating expenses		
Administrative expenses	300,000	
Sales commissions	150,000	
Delivery expenses	100,000	
Total operating expenses		550,000
Net income		\$ 76,000

C- Super Company Cost of Goods Manufactured Schedule For the Year Ended December 31, 2018

i oi the real	Choco December	31, ZUIO	
Current assets			
Cash		\$ 17,000	
Short-term investments		26,000	
Accounts receivable (net)		120,000	
Inventories		VW.502544.E2820W4614	
Finished goods	\$120,000		
Work in process	50,000		
Raw materials	20,000	190,000	
Prepaid expenses		13,000	
Total current assets		. 300,000	

Q1

The following information is available for Fishel Company.

CONTRACT OF THE STATE OF		April 1	April 30
Raw materials inventory		\$10,000	\$14,000
Work in process inventory		5,000	3,500
Materials purchased in April	\$ 98,000	0.500.000	3,500
Direct labor in April	80,000		
Manufacturing overhead in April	180,000		

Prepare the cost of goods manufactured schedule for the month of April.

Company reports the following costs and expenses in May.

Factory utilities '

\$ 15,500

Direct labor \$69,100

Depreciation on factory Sales salaries 46,400

equipment

12,650

Property taxes on factory Depreciation on

delivery trucks 3,800

building 2,500

Indirect factory labor 48,900

Repairs to office equipment 1,300

Indirect materials 80,800

Factory repairs 2,000

Direct materials used 137,600

Advertising 15,000

Factory manager's salary 8,000

Office supplies used 2,640

Instructions

From the information, determine the total amount of:

- (a) Manufacturing overhead.
- (b) Product costs.
- (c) Period costs.

Q3

In below are current asset items for Ru Company's balance sheet at December 31, 2018. Prepare the

Accounts receivable \$200,000

Cash

62,000

Finished goods

91,000

Prepaid expenses

38,000

Raw materials

73,000

Work in process

87,000