



MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF BUSINESS ENTREPRENEURSHIP AND MANAGEMENT
SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN SUPPLIES AND
PROCUREMENT

BAC 031: COST AND MANAGEMENT ACCOUNTING

DATE: 29/5/2017

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Differentiate cost accounting from management accounting (2 marks)
- b) State five features of management accounting. (5 marks)
- c) State three disadvantages of engineering/work measurement method of cost estimation. (3 marks)
- d) The following information shows the sales and advertising expenditures of Kimu Lld over the past six years

YEAR	ADVERTISING(X)	SALES SH (MILLIONS) (Y)
2009	7	200
2010	10	250
2011	9	300
2012	10	320
2013	11	350
2014	13	380

REQUIRED

- i. Determine the linear regression line in the form $Y = a + bx$
- ii. Determine the total cost for 2015 and 2016 if estimated number of advertisements will be 20 and 25 respectively. (20 marks)

QUESTION TWO (20 MARKS)

- a) State four reasons why management needs to understand the concept of costs. (4 marks)
- b) Differentiate the following terms
 - i. Manufacturing cost and non-manufacturing costs
 - ii. Direct costs and indirect costs
 - iii. Controllable costs and non-controllable costs
 - iv. Period costs and product costs (8 marks)
- c) Wale wanya Golf Club has prepared the following production budget.

period	January	February	march	April	Totals
requirements	10000	11000	12000	13000	46,000

To utilize the required units of the requirements. Direct Labour hour will cost shs 2.95 per unit required and the golf club will have to incur sh 1.05 in form of direct Labour hour to utilize each unit of the requirement.

Required.

Prepare the company's direct Labour budget per month and in totals (8 marks)

QUESTION THREE (20 MARKS)

- a) What are the objectives of budgeting (4 marks)
- b) State four advantages of budgeting (4 marks)

Given below are the maintenance costs incurred and the number of Labour hours employed by kaloleni garage in between January and June 2016. The garage expects to use 3500 Labour hrs. In July and 6000 Labour hrs. In august

Number of hours (000)	4	5	3	6	4	2
Repair costs (shs 000)	60	90	60	100	70	50

Required

- c) Using high low method method , determine both the total fixed cost and the variable costs for the garage

- d) Derive the cost estimation function for the garage
 e) Using the computation above determine estimated cost for July and august. (12 marks)

QUESTION FOUR (20 MARKS)

- a) State three advantages of standard costing. (3 marks)
 b) State two limitations of standard costing (2 marks)
 c) Kivi limited produces a single product called DX. The following information relates to the year ended 31Dec 2016

Opening inventory (units)	70,000
Manufactured (units)	80,000
SALES	Kshs 4,320,000
Selling price per unit	kshs 45
Variable manufacturing costs	kshs 960,000
Fixed costs	
Production	kshs 1,250,000
Selling and administration	kshs 296,500
Sales commission	kshs 1,200,000

Required:

Prepare income statements using both marginal costing and absorption costing methods (15 marks)

QUESTION FIVE (20 MARKS)

SATA LTD manufactures and sells product X Y and Z. The following information relates to the products for the year ended 31 Dec 2014.

	Product X	Product Y	Product Z
Sales (units)	120,000	12,000	200,000
Standard selling price	shs.40	shs.600	shs12
Opening inventory of finished good			
	X	8,000 units	
	Y	1,200 units	
	Z	40,000 units	
Closing inventory of finished goods			
	X	4000 units	
	Y	200 units	
	Z	8000 units	

Prepare a production budget in units and in shillings. (20 marks)