



MUEO

MOI UNIVERSITY

OFFICE OF THE CHIEF ACADEMIC OFFICER

UNIVERSITY EXAMINATIONS

2012/2013 ACADEMIC YEAR

THIRD YEAR END OF SEMESTER I EXAMINATIONS

FOR THE DEGREE OF
BACHELOR OF BUSINESS MANAGEMENT

COURSE CODE: BBM 310

EXAM TITLE: BUSINESS FINANCE

DATE: 13TH JULY, 2012 TIME: 9.00 A.M. -12.00 NOON.

INSTRUCTION TO CANDIDATES

➤ SEE INSIDE.

THIS PAPER CONSISTS OF (2) PRINTED PAGES

PLEASE TURN OVER

62
45
11

64
43
67
39
106

107
45

105

44

69

44

20
21
24

62
44
106

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER THREE

QUESTION 1:

- a) Describe in details the different types of Financial Markets and the securities offered in each market. (10 Marks)
- b) Longstreet Communications has the following capital structure:

Debt	35%
Preferred Stock	15%
Common Stock	<u>50%</u>
	<u>100%</u>

The company is considering raising new capital to finance a new project. New common stock will have a floatation cost of Ksh. 5, and the stock's current stock price is Ksh. 85 per share. Longstreet paid a dividend of Ksh. 4.60 per share last year and dividends are expected to grow at a constant rate of 7% in the future. New 11% preferred stock would be sold to the public at a price of Ksh. 150 per share and floatation costs of Ksh. 5 would be incurred.

Debt will have an interest rate of 14%. The marginal tax rate is 40%. Treasury bonds yield is 12%. An average stock has an expected return of 16% and Longstreet's beta is 1.45.

Required:

- Calculate the cost of capital for Debt, Preferred Stock, retained earnings and common stock. (10 Marks)
- What is the Weighted Average Cost of Capital (WACC) (5 Marks)

QUESTION 2

- a) Define Business Finance and the function of finance in an organization. (6 Marks)
- b) Dunia Manufacturing has issued a bond security with a face value of Ksh. 100,000, with a coupon rate of 12% and 15 years to maturity. What is the price of the bond if the Yield to Maturity (required return) is;
- 14%,
 - 10%,
 - 12%.
- (6 Marks)

What is the relationship between the coupon rate and the required return? (3 Marks)

QUESTION 3

- Define capital budgeting and discuss typical capital budgeting decisions that managers make in allocating firm resources. (9 Marks)
- "The value of an asset is the price that a willing and able buyer pays to a willing and able seller." In this context, list and discuss three kinds of value. (6 Marks)

QUESTION 4

- a) United Company just paid a dividend of Ksh. 3.40 per share on its stock. The dividends are expected to grow at a constant rate of 6% per year indefinitely. If investors require a 14% return on the stock.
- What is the current price of the stock? (3 Marks)
 - What will be the price in 3 years? (3 Marks)

- iii) What will be the price in 15 years? (3 Marks)
- b) An investor is considering an investment of Ksh. 500,000 in a security with an interest rate of 9% which matures in 5 years. The options of interest payments are: annually, semiannually; quarterly? Calculate the terminal value of each of the three options and advise the investor on which option to undertake. (6 Marks)

QUESTION 5:

- a) Discuss the role of the Nairobi Securities Exchange and the Capital Markets Authority in the Kenyan economy. (8 Marks)
- b) Why is finding a solution to the Agency Conflict key to the successful running of an organization? (7 Marks)

QUESTION 6:

A Company is considering the two machines which are expected to save labour on an existing project. The estimated data for the two machines available in the market are as follows:

	Machine A	Machine B
Initial Cost	2,400,000	2,600,000
Residual Value	200,000	300,000
Shipping & Installation	25,000	15,000
Increase in Working Capital	50,000	-
Annual Labour Cost Savings		
Year 1	550,000	580,000
Year 2	525,000	565,000
Year 3	600,000	615,000
Year 4	650,000	700,000
Year 5	700,000	500,000

Depreciation is straight line and tax rate is 40%. Cost of Capital is 12%.

Required:

- a) Calculate Payback Period, Net Present Value (NPV) and Internal Rate of Return (IRR). (10 Marks)
- b) Which machine is acceptable if the two are mutually exclusive? (5 Marks)