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*(Knowledge for Development)*

**KIBABII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**2019/2020 ACADEMIC YEAR**  
**THIRD YEAR SECOND SEMESTER**  
**SPECIAL/ SUPPLEMENTARY EXAMINATION**  
**FOR THE DEGREE OF BACHELOR OF COMMERCE**  
**COURSE CODE: BCF303/BBM312**  
**COURSE TITLE: CORPORATE FINANCE**

15  
**DATE: FEBRUARY, 2021**

**TIME: 11.00AM – 1.00PM**

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**INSTRUCTIONS TO CANDIDATES**

Answer Question One in Section A and Any other TWO (2) Questions in Section B

TIME: 2 Hours

**KIBU observes ZERO tolerance to examination cheating**

This Paper Consists of 4 Printed Pages. Please Turn Over.

### Question one

- a) Two organizations are each pursuing two mutually exclusive projects in different ways. Organization A is a not-for profit making while organization B is profit making.

Required:

- i) How does the objectives of company A differ from objectives of company B (6mks)  
ii) Explain whether the investment planning and appraisal techniques are likely to differ between the two organization (4mks)
- b) Scrip dividend are paid through issue of ordinary shares of a company. State and explain important points that should be noted by the company before scrip issue is recommended (8mks)
- c) An investor made an initial deposit of ksh. 50 000 at the beginning of 2007. While this amount remains invested, he plans to be adding kshs.5000 on January 1<sup>st</sup> each subsequent year starting from January 1, 2008. Assuming interest is compounded each year at the rate of 12% per annum. What will be the value of his investment on January 1, 2011 (12mks)

### Question Two

The ABC Company and the XYZ Company belong to the same risk class. They are identical in all aspects except that ABC Company has no debt in its capital structure, whereas XYZ Company employs debt in its capital structure. Relevant financial particulars of the two companies are given below

	<b>ABC COMPANY</b>	<b>XYZ COMPANY</b>
Net operating income	Shs. 500 000	Shs. 500 000
Debt interest	-	Shs. 200 000
Equity earnings	Shs. 500 000	Shs. 300 000
Equity capitalization rate	12%	14%
Market value of equity	Shs. 4,166,667	Shs. 2, 500,000
Market value of debt (Debt capitalization rate 8%)	-	Shs. 2,500,000

Total market value of the firm	Shs. 4,166,667	Shs. 4,642,857
Average cost of capital	12%	10.77%

- a) You own shs. 10,000 worth of XYZ equity. Show what arbitrage you would resort to (7mks)
- b) When will according to Modigliani and Miller this arbitrage cease (5mks)
- c) State and explain motives for a company going into merger arrangement (8mks)

### Question Three

Four assets have the following distribution of returns

Probability of occurrence	Rate of return			
	A	B	C	D
0.1	10%	6.0%	14.0%	2.0%
0.2	10%	8.0%	12.0%	6.0%
0.4	10%	10.0%	10.0%	9.0%
0.2	10%	12.0%	8.0%	15.0%
0.1	10%	14.0%	6.0%	20.0%

Required:

- a) Compute the expected return and standard deviation of each asset (10mks)
- b) Compute the covariance of asset
  - i) A and B (2mks)
  - ii) B and C (2mks)
  - iii) B and D (2mks)
- c) Compute the correlation coefficient of the combination of assets in b above (4mks)

### Question Four

- a) Examine the implications of foreign exchange risk to financial management of multinational firms (12mks)

- b) Recommend ways in which managers of multinational firms can manage foreign exchange risks (8mks)

**Question Five**

- i) ABC LTD invested the sum of ksh. 800 000 in dairy project. He estimates that the project will yield the following after tax returns annually for the next five years, i.e ksh. 20 000, ksh. 40 000, ksh. 60 000, ksh. 80 000 and ksh. 120 000 respectively. The dairy house is expected to be depreciated on a straight line basis.

**Required**

- a) Provide the accounting rate of return of the project (10mks)  
b) Evaluate the accounting rate of return in relation to other project appraisal methods (5mks)
- ii) State and explain atleast five reasons why companies invest abroad (5mks)