ACF317/ AC321 (M) DECEMBER 2019

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UNIVERSITY OF ESWATINI DEPARTMENT OF ACCOUNTING AND FINANCE MAIN EXAMINATION PAPER DECEMBER 2019

DEGREE/ DIPLOMA AND

YEAR OF STUDY

B. COM 111/B.COM LEVEL 5

TITLE OF PAPER

INVESTMENT ANALYSIS AND PORTFOLIO

MANAGEMENT

COURSE CODE

ACF317/ AC321 (M) DECEMBER 2019

TOTAL MARKS

100 MARKS

TIME ALLOWED

THREE (3) HOURS

INSTRUCTIONS

1 There are four (4) questions, answer all.

2 Begin the solution to each question on a new page.

3 The marks awarded for a question are indicated at the end

of each question.

4 Show all the necessary workings.

5 Round off as you deem appropriate.

Note: You are reminded that in assessing your work, account will be taken of accuracy of the language and general quality of expression, together with layout and presentation of your answer.

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SPECIAL REQUIREMENTS:

CALCULATOR

QUESTION 1

Assuming that you are a risk averse investor and you are considering to select an asset from the following two investment options:

Asset A			Asset B		
Market	Return	Probability	Market	Return	Probability
condition	A A A		condition		
Good	16%	0.25	Good	20%	0.25
Average	12%	0.50	Average	14%	0.50
Poor	8%	0.25	Poor	8%	0.25

- a) Compute the expected return of each stock and indicate the most desirable by this measure.

 (5 Marks)
- b) Compute the standard deviation of the annual rate of return for each stock and indicate the preferable stock by this measure. (8 Marks)
- c) Using the coefficient of variation for each stock, which stock is preferable? (5 Marks)
- d) Assuming that you have a E100 000 which you split 50/50 between asset A and Asset B, compute the expected return of the portfolio. (3 Marks)
- e) Distinguish between non-systematic risk and systematic risk. (4 Marks)

Total (25 Marks)

QUESTION 2

- a) Discuss the importance of the policy statement. (18 Marks)
- b) Explain why should Emaswati invest in foreign stocks? (7 Marks)

Total: (25 Marks)

QUESTION 3

- a) Discuss why international diversification reduces portfolio risk. Specifically, why would you expect low correlation in the rates of return for domestic and foreign securities (5 Marks)
- b) Differentiate between stock warrants and call options. (5 Marks)
- c) The following information is available concerning the historical risk and return relationships in the South African stock market:

,			Standard
	Arithmetic	Geometric	Deviation
Investment Category	Mean	Mean	of Return
Common stocks	10.28%	8.81%	16.9%
Treasury bills	3.54	3.49	3.2
Long-term government bonds	5.10	4.91	6.4
Long-term corporate bonds	5.95	5.65	9.6
Real estate	9.49	9.44	4.6

Based on arithmetic mean.

- i. Explain why the geometric and arithmetic mean returns are not equal and whether one or the other may be more useful for investment decision making. (5 Marks)
- ii. For the time period indicated, rank these investments on a relative basis using the coefficient of variation from most to least desirable. (10 Marks)

Total: (25 Marks)

QUESTION 4

The following are the monthly rates of return for CLT Agency and Goodies Investment during a six-month period.

Month	CLT Agency	Goodies Investment
1	-0.04	0.07
2	0.06	-0.02
3	-0.07	-0.1
4	0.12	0.15
5	-0.02	-0.06
6	0.05	0.02

Given the information above, compute the following;

- a) Average monthly rate of return for each stock. (4 Marks)
- b) Standard deviation of returns for each stock. (6 Marks)
- c) Covariance between the rates of return. (9 Marks)
- d) The correlation coefficient between the rates of return. (2 Marks)
- e) What sign of the correlation coefficient did you expect? Would these two stocks be good choices for diversification? Why or why not? (4 Marks)

Total: (25 Marks)