EASTERN UNIVERSITY, SRI LANKA **FACULTY OF COMMERCE AND MANAGEMENT**

Final Year First Semester Examination in Bachelor of Commerce Honours in Accounting and Finance - 2021/2022 (February/March 2024) (Proper/Repeat)

DAF 4173 Portfolio Investment Analysis

Answer All Questions

Time Allowed: 03 Hours

Use of Non Programmable Calculator is permitted.

PARTI

Choose an answer.

- 1. A Portfolio investment refers to
- (a) an investment in a single asset.
- (b) a bundle of investments in many financial assets
- (c) a bundle of investments in many real and financial assets
- (d) a bundle of investments in any type of assets.

1. What is the primary purpose of creating the portfolio investment?

(a) To maximize the expected return.

(c) To diversify the investment risk.

(b) To minimize the risk.

(d) To maximize the expected return and the risk.

Investment environment can be defined as the

- (a) Existing investment vehicles in the market available for investor and the places for transactions with these investment vehicles.
- b) Investment opportunities available for investor and the process of making transactions with these investments.
- (c) Existing investment vehicles in the market available for investor and the investment management process.
- d) Investment opportunities available for investor and the investment management process.

Which of followings explains correctly the difference between Investment in financial assets and investment in physical assets?

- a) Financial assets are not divisible, whereas most physical assets are divisible.
- b) Marketability of financial assets is lower, but physical assets have higher liquidity.
- (c) Information about financial assets is often more abundant and less costly to obtain, than information about physical assets.
- (d) The planned holding period can be much longer for financial assets the than for most physical assets.

Which of the following is mostly not a short term investment vehicle?

- (a) Certificates of deposit.
- (b) Treasury bond.
- (c) Commercial paper.
- (d) Repurchase agreements.

What is/are the characteristics of speculative investment vehicles?

- A. These investments have a high risk and high return.
- B. Investors' primary concern is with anticipating and profiting from the expected market fluctuations.
- C. The only gain from such investments is the positive difference between selling and purchasing prices.
- D. Return from these investments include dividends and capital gains.
- (a) A only.

- (b) A and B only.
- (c) A, B, and C only.
- (d) All four characters.

How can the financial market be categorized based on the sequence of transactions for selling and buying securities?

a) Money Market and Capital Market.

(c) Primary Market and Secondary Market.

b) Share Market and Debt Market.

(d) Internal Market and External Market.

What are the characteristics of Investment in Treasury bills out of the followings?

- A Representing financial obligations of the government.
- Having maturity of more than one year.
- Being treated as risk-free securities ignoring inflation and default of the issuer.
- 1. Treasury bills can be traded before the maturity, while their market price is subject to change with changes in the rate of interest.
- The buyer (investor) of Treasury bills is lending money to the issuer, who undertake obligation periodically to pay interest on this and repay the principal at a stated maturity date.
- a) A,B,C only.
- (b) A,C,D only.
- (c) B,C,E only.
- (d) A,C,E only.

B. Financial market allows only long term linancial instru				
C. Financial market provides a liquidity of the financial a				
 D. Financial market facilitates institutions only to raise n E. Financial market reduces the cost of transactions b the desire to buy or to sell a financial asset. 				
(a) B,C,D only. (b) B,D,E only.	(c) A,C,E only. (d) A,B,C only.			
11. What are the main characteristics of any investment?(a) Certainty of Return and Liquidity.(b) Investment Return and Risk.	(c) Uncertainty of Return and Risk.(d) Marketability and Profitability.			
12. Which type of measurement bases are more relevant for r(a) Simple Average of Past Returns and its dispersion.(b) Weighted Average of Historical Returns and its dispersion.	naking investment decisions? (c) Simple Average of Possible Returns and its dispers (d) Weighted Averaged Possible Returns and its dispers			
 13. Investment Risk can be defined as a (a) Chance that the actual outcome from an investment will be less than the expected outcome. (b) Chance that the actual outcome from an investment will differ from the expected outcome. (c) Chance that the actual outcome from an investment will deviate largely from the expected outcome. (d) Chance that the actual outcome from an investment will slightly be different from the expected outcome. 				
14. The Expected return of a portfolio is defined as the Weight portfolio with the weights being equal to the proportion of inv.(a) True.(b) False.				
15. The total risk of a portfolio is measured with the standar standard deviations of returns of individual assets in the investment in each asset. Is it true or false?(a) True.(b) False.				
 16. The Covariance between two assets can be defined as (a) The product of the standard deviations of both assets times their correlation coefficients. (b) The product of the standard deviations of both assets times their correlation coefficients and probabilities. (c) The sum of the product of each deviation of returns of the two assets. (d) The sum of the product of each standard deviation of returns of the two assets and probabilities. 				
 17. Which of the following statements are true about the investments? A. If the returns of two investments are perfectly positively of the individual investments. B. If the returns of two investments are strongly positive weighted risk of the individual investments. C. If the returns of two investments are weakly positive weighted risk of the individual investments. D. If the returns of two investments are perfectly negatively E. If the returns of two investments are strongly or weakly than the weighted risk of the individual investments. (a) A and B. (b) B and C. 18. Risk of two securities with different expected return can be (a) Coefficient of Variation. 	ely correlated, the portfolio risk will be equal to the weights ely correlated, the portfolio risk will be greatly less that ely correlated, the portfolio risk will be slightly less that correlated, the portfolio risk will be zero. negatively correlated, the portfolio risk will be considerably (c) A, D, and E. (d) All of them.			
(b) Standard Deviation of securities.	(d) Covariance between the securities.			
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9. Which of the following is not in a five-step procedure of investment management process?

A. Financial market determines the prices of assets traded through the interactions between buyers and se

(a) Setting of investment policy.

(b) Analysis and evaluation of investment vehicles.

having maturity of more than one year.

10. Which of the following statements are true about the financial market?

(c) Formulation of Investment Strategies.

(d) Measurement and evaluation of portfolio performa

9. The Markowitz model identifies the efficient set of portfolios, which offers the (a) Highest return for any given level of risk or the lowest risk for any given level of return. (b) Least-risk portfolio for a conservative, middle-aged investor. (c) Long-run approach to wealth accumulation for a young investor. (d) Risk-free alternative for risk-averse investors. 10. The situation where a risk averse investor prefers a portfolio with the highest Expected Return for a given level of risk or prefer a portfolio with the lowest level of Risk for a given level of Expected Return is termed as (c) Risk-Return Preference. (a) Principle of Dominance. (d) Portfolio Opportunity Set. (b) Efficient Portfolio.

1. If an investor searches for patterns in security returns by examining various techniques applied to a set of data, this is

(a) Fundamental analysis.

(b) Technical analysis.

(c) Data mining.

(d) Random walk theory.

2. What is the essentiality of the Markowitz portfolio theory?

(a) The problem of optimal portfolio selection.

(b) Assumption of non-sensation.

(c) Assumption of risk aversion.

(d) Measurement of return and risk.

3. An investor considers three portfolios, X, Y, and Z. The expected returns of the portfolios are 20%, 18%, and 12% respectively. The risk of the portfolio X, σ_p (%), is 24%, the portfolios of Y and Z have same level of risk, 16% each. As per the Markowitz portfolio theory, what would be the best choice of portfolio for a risk averse investor?

(a) Portfolio X.

(b) Portfolio Y.

(c) Portfolio Z.

(d) Portfolios Y and Z.

14. What is type of risk is taken into the measurement of expected rate of return of a security as per CAPM?

(a) Total Risk.

(b) Systematic Risk.

(c) Unsystematic Risk. (d) Portfolio Risk.

5. What is the essentiality of Arbitrage Pricing Theory?

(a) Identifying an efficient portfolio.

(b) Measuring expected rate of return of a portfolio investment.

(c) Determining the expected rate of return of an investment based on market portfolio, GDP, Inflation, exchange rate and Interest rate.

(d) Identifying a number of macroeconomic factors influencing the expected return of an asset.

16. What are types of information available for investors trading in the market to create semi strong form of market efficiency?

(a) All known publicly available past information.

(b) All known publicly available past, current, and inferred Information.

(c) Inside information.

(d) All of the above.

17. Which of the following statements are not true about the systematic risk of investments?

A. It arises on account of the economic-wide uncertainties and tendency of individual securities to move together with changes in the market.

B. This part of the risk can be reduced through diversification.

C. A formidable competitor entering the market is an example causing the systematic risk.

D. Investors are exposed to this risk even when they hold well-diversified portfolios of securities.

(a) A and B.

(b) B and C.

(c) C and D.

(d) A and D.

28. The beta of a security is equal to

(a) The covariance between the security and market returns divided by the variance of the market returns.

(b) The covariance between the security and market returns divided by the standard deviation of the market returns.

(c) The variance of the security's returns divided by the covariance between the security and market returns.

(d) The variance of the security's returns divided by the variance of the market returns.

2	29. Suppose an investor holds a risk-free security (f) of which he has an expected return of 5% and a risky (j) with an expected return of 15% and a standard deviation of 6% in equal proportion. What would portfolio return and the risk respectively?				
	(a) 1	0% and 3%.	(b) 5% and 0%.	(c) 15% and 6%.	(d) 10% and 6%.
3	30. A security has a Beta of 1.7. The return on the market portfolio is 15%. The risk free rate is 5%. We expected return of the security, according to the CAPM?				
	(a) 17	7%.	(b) 20%.	(c) 22.5%.	(d) 22%.
3	1. The	standard deviatio	n of returns (ONSK) from the	investment in the shares of NS	SK plc is 13% while the mark
	(σ_m) is	s 6%. The correlat are of NSK Plc?	ion coefficient of returns bet	ween the NSK plc and the ma	rket is +0.6. What would be
	(a) 1.		(b) 2.25.	(c) 1.3.	(d) -1.8.
3	discou	ty, a RS. 1,000 fac	e value and a 12% coupon r	ently selling in the market for Reate. The coupon payment is pa What is the estimated intrinsic (c) Rs.1,075.80.	avable hi-annually. The appr
3	3. Base bond?	ed on the result of	the answer of above question	on (32), what would be decisio	n of the investor in investing
	(a) Th	e bond is over-pri e bond is over-pri	ced and he shall buy it. ced and he shall not buy it.	(c) The bond is und(d) The bond is und	er-priced and he shall buy it. er-priced and he shall not bu
	to12% will gro 25%. A	at the end of 2024 we at the same rate conswer the following this the amount of the	10,000 shares of Rs.500 ead 4, and it can pay a dividend of e as in the previous year for the g questions based on this so dividend per share paid at the		ompany may increase the div
	(a)	Rs.50.	(b) Rs.100.	(c) Rs.15.	(d)
35	6. What (a)	is the amount of c	dividend per share expected (b) Rs.120	to be paid at the end of the cur (c) Rs.60.	rent year (D ₁)?
36	mves	tor?	te of the dividend on the st	nare of the company for 2024	according to the forecast
	1 /	15%	(b) 25%	(c) 20%	(d)
37	COLISI	aritiy prevaii in the	tuture years?	pany if the investor forecasts the	nat the growth rate in 2024 w
	(a)	Rs.1200	(b) Rs.600	(c) Rs.300	(d)
38	mves	IOI ?	e of the dividend on the sh	nare of the company for 2025	according to the forecast of
	(a)	10%	(b) 12%	(c) 15%	(d)
39	. What stage g	would be the intr	insic value of the share of t sed valuation model.	he company according to the	investor's forecast using the
	(a)	Rs.552.00	(b) Rs.553.92	(c) Rs.652.25	(d)
40 .	ne mve	stor in investing o	n it based on his/her forecast	the market for Rs.550 per sha ting?	re, what would be the decision
			ced and he shall buy it. ced and he shall not buy it.	(c) The share is und(d) The share is und	er-priced and he shall not buy er-priced and he shall buy it.

(40 Man