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CO<sub>1</sub>

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Marks

[03]

[07]

[10]

**RBT** 

L2

L2

L3

## **Internal Assesment Test - I**

Sub:	Investment Man	Investment Management						Code:	20MBAFM303
Date	27/12/2022	Duration	90 mins	Max Marks: 50	0	Sem:	III	Branch	MBA

Sub.									
Date	27/12/2022	Duration	90 mins	Max Marks: 50	Sem:	Ш	Branch	MBA	
									OBE

## Part A: (Answer any 2 full questions) 1 (a) What does beta = +2 indicates?

Say a company has a beta of 2. This means it is two times as volatile as the overall market. We expect the market overall to go up by 10%. That means this stock could rise by 20%.

(b) Explain the features of a good investment.

Characteristics of investment The features of economic and financial investments can be summarized as return, risk, safety, and liquidity. with the primary objective of deriving a return. The return may be received in the form of yield plus capital appreciation.

(c) Find out the risk and return of securities A & B, Give the security of your reference. Security has been selected on the basis on risk and returns.

Probability	Security A	Security B
0.5	4	0
0.4	2	3
0.1	0	3

	В	1 000000	× - ×	(x-₹)2	P(x-2)
P	具	px			
0.5	0	0	-1.5	2.25	1.125
0.4	3	1-2	1-5	2.25	0.9
0.1	3	0.3	1-5	2.25	0 225
*P= 1		2 PX = 1.5			IP(x-7)
	— 2 В =	z p (* - ×			
	=	2.25			

	2.	ಲ	5 WAY!!							
	(0)	ρ 5	ecurity	A						
	1	0.5	4	Poc		(x-x)2				
		0.4	2	2	-0.8	1.44	0.72			
		0 · 1	0	0	-2.8	7-84	0.756			
		2p = 1		2px=2.8			Ip(x-x)2=1-76			
			-7	- Σnα			•			
			^^	-						
				2						
			o-	2 = IP(×	- <del>V</del> ) 2		The same of			
				Σ = 1.7	P		2			
				1			-			
	=		-/-	= 1.7			The second second			
	1			= 1-3	326 (Risk	->	67			
				-						
2(a)				nomic and t				[03]	CO1	L1
				-	_		our of humans			
				-			. In contrast,			
			_	to savings a		-	ng from banks			
(b)				ifferent type	_	_		[07]	CO1	L2
( )		stematic.	p.u w	Transfer type	01 11011 0	- 5j5 <b>00111401</b>	o un o	[0,]		
	Unsy	stematic	risk is a	risk specifi	ic to a cor	mpany or i	ndustry, while			
	-					•	tematic risk is			
						investment	portfolio risk			
	that i	s not base	ed on indi	vidual inve	stments.					
(c)	What	ic invect	ment attri	bute? Expla	ain the inv	estment ave	nue	[10]	CO2	L2
(•)				-			e are the key	[10]	002	
							cular type of			
					_	• •	to decide or			
			ble invest							
					•	•	n invest your			
							e one type of			
				itual funds, stment aven		itized finan	cial securities,			
3 (2)			s are inves nd return i		ues.			[03]	CO1	L1
3 (a)					Definition:	Higher rist	is associated	[03]	COI	
						-	with a greater			
			-	-			investor faces			
	-	•					nt decisions is			
	called	d the risk	return tra	de off.						
(b)	What	is Indiar	1 Stock Ex	change? Ex	xplain diff	erent sector	S.	[07]	CO1	L2
	The I	ndian m	arket has 4	eleven secto	ors that acc	rommodate	in themselves			
							de financials,			
				_			nmunications,			
						-				
		-	omers. I	ine uniterei	n sectors	cover a 10	ot of different			
	indus	uries.								

(c) How beta is playing important role investment? Explain it with example.

Beta ( $\beta$ ) is a measure of the volatility—or systematic risk—of a security or portfolio compared to the market as a whole (usually the S&P 500). Stocks with betas higher than 1.0 can be interpreted as more volatile than the S&P 500.

Beta is used in the capital asset pricing model (CAPM), which describes the relationship between systematic risk and expected return for assets (usually stocks). CAPM is widely used as a method for pricing risky securities and for generating estimates of the expected returns of assets, considering both the risk of those assets and the cost of capital.

## Part B (Mandatory 10 marks)

4 Monthly return data (in per cent) are presented below for ITC stock and BSE National Index for a 12 month period.

Month	ITC	BSE National Index
1	9.43	7.41
2	0.00	-5.33
3	-4.31	-7.35
4	-18.92	-14.64
5	-6.67 ROTES CO. X	
6	26.57	15.19
7	20.00	5.11
8	2.93	0.76
9	5.25	-0.97
10	21.45	10.44
11	23.13	17.47
12	32.83	20.15

Calculate beta of ITC stock.

	PART -	В			
Month	170(4)	BSE (X)	24	x2	y2
1	9.43	7.41	69.87	54.90	88.92
2	0.00	-5.33	0	28.40	0
3	-4-31	-7.35	31.67	54.02	19.57
4	-19-92	-14.64	276.98	214.32	357.96
5	-6.67	1-58	-10.53	2.49	44.48
6	26.57	15-19	403.59		705.96
7	20.00	5.11	102.2	26.11	400
8	2.93	0.76	2.22	0.57	9.58
9	5 · 25	-0.97	-5.09	0.94	27.56
10	21.45	10-44	223.93	108.99	460.10
11	23.13	17.47	404.08	305.20	534.99
12	32.83	20.15	646.41	406.02	1077-80
	111.69	49.82	2145.33	1432 69	3724.92

CO1 L2 C02 L3

[10]

Cognitive level	KEYWORDS
L1	List, define, tell, describe, identify, show, label, collect, examine, tabulate, quote, name, who, when, where, etc.
L2	summarize, describe, interpret, contrast, predict, associate, distinguish, estimate, differentiate, discuss, extend
L3	Apply, demonstrate, calculate, complete, illustrate, show, solve, examine, modify, relate, change, classify, experiment, discover.
L4	Analyze, separate, order, explain, connect, classify, arrange, divide, compare, select, explain, infer.
L5	Assess, decide, rank, grade, test, measure, recommend, convince, select, judge, explain, discriminate, support, conclude, compare, summarize.

	Course Outcomes	Blooms Level	Modules covered	PO1	P02	PO3	P04	P05
CO1	The student will understand the capital market and various Instruments for Investment.	1,2	1,2	1a,1b ,1c,2 a,2b, 3a,3b ,3c,				
CO2	The learner will be able to assess the risk and return associated with investments and methods to value securities.	3,4	2,3					2c ,4
СОЗ	The student will be able to analyses the Economy, Industry and Company framework for Investment Management.	5	4,5					
CO4	The student will learn the theories of Portfolio management and also the tools and techniques for efficient portfolio management.	5,6	6					

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\Rightarrow \sigma^{2}y = my^{2} - (y)^{2}
= 12(3724.92) - (111.69)^{2}
= 309.46
= 7y - 1309.46 = 17.59
\Rightarrow \beta = 7mi \cdot \sigma \cdot \cdot \sigma m
= 0.92 \times 17.59 \times 10.10
= 1.60
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$$= 12 (2145.33) - (49.82) (111.69)$$

$$\sqrt{12 (1432.69) - (49.82)^2} \times \sqrt{12 (3724.92) - (111.69)^2}$$

$$= 20,179.5642$$

$$= 21,771.9916$$

$$7 = 0.92$$

$$\Rightarrow 2^2 = mx^2 - (x)^2$$

$$= 12 (1432.69) - (49.82)^2$$

$$= (12)^2$$

$$= 102.15$$

$$= 10.10$$