



### Internal Assesment Test - II

Sub:	Investment Management								16MBAFM303	
Date:	9.11.17	Duration:	90 mins	Max Marks:	40	Sem:	III	Branch:	MBA	

								OBE	
				<i>(1.</i> - 1. 0. =			Marks	СО	RB
Part A -	Answer An	y Two Full	Question	ns (16*02	2=32 Mark	KS)			
What is por	tfolio?						[02]	CO2	L
) Mr. Joshi h	as a portfolio	of securities	. These are	as follow	vs:		[06]	CO1	L2
Amount in	n 6	9	12		15	18			
Lakhs									
Returns	7%	12%	19	%	10%	2%			
Consider th	e following st	cocks and cal	culate port	folio risk:	:			CO3	L
Weight	Company	X(0.33)	Y (0.33)	Z (0	33)		[08]		
0.33	X	382.09	08.73	39.87	7				
0.33	Y	68.73	63.82	68.87	7				
0.33	Z	39.87	68.87	38.25	5				
A bond w	he current yi ith par value eriod is after	is Rs 1000	, it bears a	coupon		%, the bond	[02]	CO2	L
now at a p		5%. The in	terest rate	_		after 5 years from market is currently		CO3	L
Describe N	<b>A</b> anagement	portfolio st	rategies.				[80]	CO1	L
a What is bo	and durations	3?					[02]	CO2	L
Calculate t	he PV of co	mmon stock	from the	followin	a data:		50.61	CO2	
						y for five years.	[06]	CO3	L

Maturity period of the stock is 5 years. Selling price of the share at the end of the fifth year is Rs 60. Required rate of return is 10% Summaries the portfolio risk [80] CO2 L4 (c) Part B - Compulsory (01\*08=08 marks) 4 Jaya ltd has a14% debenture with a face value of Rs 100 that matures at a par in 15 years. The debenture is callable in 5 years at Rs 114. It currently sells for Rs 105. Calculate each of the following for their debenture. a. Current Yield, b. Yield to call, c. Yield to maturity. CO3 L1 (a) CO2 L2 (b)

Course Outcomes		PO2	PO3	PO4	PO5	P06	PO7	PO8	P09	PO10
CO1:										
CO2:										
CO3:										

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.

IAT-2. Investment Management

$$= \frac{14}{105} \times 100 = 13.3.1.$$

$$= 14 \times PVIIFA(5y,157) + 114 \times PVIFA(5y,157).$$

$$= (14 \times 3.3522) + (14 \times 0.4972)$$

$$= 46.93 \times 56.68 = 103.61.$$

Faking YTC for 14.1.

= 14 x PVIFA(sy, 14.1) + 114 x PVIF(sy, 14.1)

$$= (14 \times 3.4331) + (114 \times 0.5194) = 107.24$$

$$= 14 + \frac{2.24}{3.63} \times 1 = 14.62 \cdot 1.$$

# Taking 13.10

$$y_{TM} = 13 + \left[ \frac{106.46 - 105}{106.46 - 94.15} \right] (15-13)$$



CMR

Part 4.

	CMR	Pa	nt A.		-
(@)	b) Secur	0.	Amt	Weight	NXR
	T	0.7	6,00,000	.15	0.007
		, 19	12,00,000	, 25	0.28
	1V	. 10	18,00,000	. 30	.006
	Y	.02		on a gallela	0.8914
	The	eaupted reti	ian of per	Efelio is 9.4.1.	
26).	Bond	duration:	Prifactor	14.1. PV	10.524
g in	Year	Return 12	0.877	9.228	18.456
	2	12	0.769	8.1	24
	3	12	0.592	7.104	28.416
	5	12	0,519	58.128	372,336
		Bond dural	tion: P/	c = 372,336 93.084	4 years.



## 3)c) Variance - Covariance Matrix

62. (0.33 x 0.33 x 882, 69) + (0.33 x 0.33 x 68.73) + (0.34 x 0.33 x 68.73) + (0.34 x 0.33 x 68.73) + (0.33 x 0.33 x 68.87) + (0.33 x 0.33 x 68.87) + (0.33 x 0.34 x 68.87) + (0.33 x 68.87) + (0.34 x

2) a

- $=\frac{120}{950} \times 100$
- 12.631.

139



Management portfolio straligus:

Parsive bond stratigus

Matching funding strategus

A parsive bond strategus

Parsive bond strategus

Parsive bond strategus

Buy and hold strategus

\* Buy and hold strategus

Actue bond stratigus:

> Interest rate anticipation

> Valuation analysis

> Credit analysis

> Vill Spread

> Bond Swaps.

$$P_0 = \frac{5}{2} \frac{3.44}{(1+0.10)^5} + \frac{60}{(1+0.10)^5}$$

$$PV = \frac{n}{2}$$
  $\frac{Dt}{(1+n)t} + \frac{Pn}{(1+n)n}$ 

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