## CMR INSTITUTE OF TECHNOLOGY

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	Internal Assessment Test -I – December - 2021	CREDITED WITH A	ORADE BT			
Sub:	INVESTMENT MANAGEMENT Sub Code: 20MBAFM303	Branch:	MB	A		
Date:	<b>16-12-2021</b> Duration: 90 min's Max Marks: 50 Sem/Sec: <b>A &amp;</b> 1	В	OI	BE.		
	Answer any TWO FULL Questions and case study is compulsory	MAR	CO	RB		
		KS		Т		
1 (a)	Explain the different investment avenues available to an investor. Which particular type of securities are popular in recent times?  INVESTMENT ALTERNATIVES  1. Financial Derivatives: Futures and Options.  2. Equity shares – Blue chip / growth shares, income shares, cyclical shares, speculative shares  3. Mutual Funds: Equity Schemes, Debt Schemes and Balanced Schemes  4. Debenture & Bonds: Bonds are issued by the government and debentures are issued by both the government and private business houses.  5. Real Estate: Residential house, commercial complex, open plot, flat etc.  6. Precious Objects like Gold, Silver, Precious stones and art objects etc.  7. Insurance: Life insurance  8. Bank Deposits: Savings Bank, Fixed Deposits, Current Account deposits etc.  9. Money Market Instruments: The instruments whose					
(b)	maturity period is maximum of one year. These are Treasury Bills, Commercial papers, Certificates of Deposits.  Explain in detail the investment process  Investment management is a complex activity which may be broken down into the following steps:  a) Specification of Investment Objectives and constraints. b) Choice of the asset mix c) Formulation of portfolio strategy d) Selection of securities e) Portfolio execution. f) Portfolio revision. g) Portfolio evaluation.  a) Specification of Investment Objectives and constraints: The typical objectives sought by any investor is: Current income Capital appreciation Safety of capital Constraints from liquidity Time horizon Tax and any other special circumstances need to be identified.  b) Choice of the asset mix: The most important decision in portfolio management is the asset mix decisions. It is concerned with the proportions of stocks( equity shares, and unit/ Shares of Mutual funds), and bonds( fixed,	[10]	CO 1	L2		

	income instrument vehicles in general.). The	1		
	income instrument vehicles in general.). The appropriate stock bond mix depends mainly on the risk tolerance and investment horizon of the investor.			
	r) Formulation of portfolio strategy: Once a certain asset mix is chosen, an appropriate portfolio strategy has to be hammered out. 2 broad choices are available:			
	Active portfolio strategy: Earns superior risk adjusted returns by resorting to market timings, or sector rotation, or security selection, or a combination of these.			
	Passive portfolio strategy: on the other hand holding a broadly diversified portfolio and maintaining a predetermined level of risk exposure.			
	d) Selection of securities: Generally investors, pursue an active stance with respect to security selection. For selecting stock selection, investors commonly go with fundamental and technical analysis. The factors to be considered for selecting (fixed income instruments) like bonds are yield to maturity (YTM), credit rating, term to maturity, tax shelter and liquidity.			
	Portfolio execution: This is the phase of portfolio management which is concerned with implementing in portfolio plan by buying / selling specified securities in given amounts. This is an important step that has a bearing on investment results.			
j	f) Portfolio revision: The value of a portfolio as well as its comparison relative proportions of stock and bond components may change as their price fluctuates. Fluctuations in stock prices is often the dominant factor underlying the change. The investor will shift from stock to bond and vice versa, it may call for sector rotation as well as security switches.			
	Performance evaluation: The performance of portfolio should be evaluated periodically. The key dimensions of portfolio performance evaluations are risk and return and the key issue is whether the portfolio return is commensurate with its risk exposure. Such a review may provide useful feedback to improve the quality of portfolio management process on a continuous basis.			
Systema segmen	systematic risk?  atic risk refers to the risk inherent to the entire market or market  t. Systematic risk, also known as "undiversifiable risk," "volatility" or  risk," affects the overall market, not just a particular stock or	[03]	CO 2	L1

	industry.						
(b)	The historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of are given. Calculate the stream of the historical rates of the historical	f return of two securities of the covariance and correlation of the securities of repair of two securities and correlation of the 2 secur	ion of the 2 securities  Interpretation of the 2 securities  Inte	en Calculate the    9   10     16   22     12   20     FM303. June-Ju   $\frac{2}{8}$   $\frac{2}{8}$   $\frac{2}{8}$   $\frac{2}{8}$   $\frac{2}{8}$   $\frac{2}{8}$   $\frac{2}{9}$   $\frac{4}{9}$   $\frac{2}{9}$   $\frac{2}$		CO 2	L3
(c)	Year	Return on Wipro stock (Y)	Return on BSE (X)				
	2000 2001 2002 2003 2004	0.20 0.30 0.50 0.4 0.60	0.10 0.20 0.30 0.40 0.50		[10]	CO 2	L3
	What is the beta value What is the alpha value						

	What is	the co-	efficient	of correla	tion?						
	What is	co-effi	cient of d	eterminat	ion						
	0.04   2 0.09   3 0.25   2 0.16   2 0.36   2 2.0.9	Colco V = 1 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2	Colculat Hock (Y) 0.20 0.30 0.50 0.40 0.60	On 9 B Mod (v) 0.10 0.20 0.30 0.40 0.50 5x:1.5 9 54/pl = 0.4- 20.3	0.01 0.01 0.04 0.09 0.16 0.25 5x2.055	XY 0,02 0,06 0,16 0,16 0,16 0,18 2xyr0,69	BONEX 9 BONEX	41.72			
3 (a)	The estin			dard devia	ation and	correlati	on coefficie	nts for the			
	5	Stock	Standa	ard	Cor	relation	with stock				
			deviat	ion	A	В	C	-			
		A	32		1.00	0.80	0.40	-	[05]	CO	L3
		В	26		-0.8	0 1.00	0.65	-		2	
		С	18		0.40	0.65	1.00	-			
	If a port	folio is	construc	ted with 1	5% of sto	ock A, 50	0% of stock	] B, 35% of stock			
	C. what	is the p	portfolio s	standard d	leviation	?					

	Solution: Computation of Portfolio Risks & Proposition of Proposition Proposition of Proposition Proposition of Proposition of Proposition of Proposition Proposition of Pr		
(b)	Calculate the standard deviation and expected return on Taj food stock and oriental shipping stock.	[05]	$\begin{bmatrix}   CO   L \\ 2   3 \end{bmatrix}$

	Solution  Day for  P: R:  0.30 16  0.50 11  0.20 6  Priental  P: P:  0.30 40  0.50 10  0.20 -20	State of economy  Boom Normal Recession  PixRi 4.8 5.5 1.2 11.5  ed return  This prince    RixPi 12 5 13 ted return  13	10 Food stock Pi Ri 0.30 16 0.50 11 0.20 6  1.5 (Ri-Ex) 4.5 -0.5 -5.5  18tock: 13 (Ri-Ex) 27 -3 -83  YM Exo (A41	(R:-Ex) <sup>2</sup>   20.25   0.25   30.25   11.5   57   (R:-Ex) <sup>2</sup>   729   9   1089	2 P° (R°-Ey) <sup>2</sup> 6.0+5			
(c)		npany's share	es are present	ly sold at 60 ar	nd 100 respectively. An respectively. <b>ST</b> proje			
	annum in the f prices for the year.	uture and <b>B</b> T	Γ by 9%. Fin two stocks to	nancial analyst	spected to grow at 10% s have estimated the lifter <b>ST</b> and 114, 126,132 ompany stock. Choose	kely 2 for [10]	CO 2	L 4
	stock to be • If the inves	purchased fo	r a holding p	eriod of one ye	•			



