MMM - 2018-21 Batch - II Semester End Term Exam

K.J. Somaiya Institute of Management Studies & Research Course: MMM II Semester Sub: Financial Management

Date of Exam: 8 /04/2019 50

Time: 3 Hours

Marks:

Note: 1. Attempt any 5 questions.

- 2. All questions carry equal marks (10 marks each)
- 3. Use of Calculators is allowed
- 4. PV Tables are provided with the question paper

1. Use the information given in the summarized balance sheet and statement of profit & loss to prepare a common base statement.

Statement of Profit and Loss		
Rs. in million		
	2018	2017
Total Revenues	950	790
Expenses excluding financing cost and tax	620	550
Profit before financing cost and tax	330	240
Financing cost	80	60
Proft before tax	250	180
Tax	75	54
Proft(loss) for the period	175	126
Balance Sheet		
Rs. in million		
	2018	2017
Shareholders' Funds	540	500
Long-term borrowings	230	200
Other non-current liabilities	150	140
Current liabilities	386	308
Total	1306	1148
Fixed assets	455	400
Other non-current assets	275	310
Current assets	576	438
Total	1306	1148

2. Solve:

- a. The dividend per share of XYZ was Rs. 4 in the current year and the company has been registering growth rate of 12 percent. The share is currently selling for Rs. 80. Calculate the company's cost of equity.
- b. Determine the cost of equity using CAPM approach where risk free rate of return equals 5 %, beta is 1.2 and the return on market portfolio is 14%.

3. Explain different aspects of working capital policy that a firm should take into consideration to ensure effective management of its working capital.

4. "Equity Capital represents ownership capital, as equity shareholders collectively own the company". Discuss the rights and risks of equity shareholders as owners of the company.

5. A 7-year, Rs. 1000 debenture of a firm can be sold for a net price of Rs. 976. The coupon rate of interest is 15 percent per year and it will be redeemed at 5 percent premium at maturity, that is, the maturity value will be Rs. 1050. The company tax rate is 35%. What would the after tax cost of debt be?

6. Solve:

a. From the following information, calculate the operating leverage and comment on the result.

Particulars	Situation 1	Situation 2
No. of units sold	5000	5000
Selling price per unit	10	10
Variable cost	5	5
Fixed cost	6000	8000

b. Relevant financial information for M Ltd. is given below:

Profit & Loss Account data	Balance Sheet date							
(Rs. in Million)	Beginning of 20	18	End of 2018					
Sales 1500	Inventory	200	220					
	Accounts Receivable	160	150					

COGS 790	Accounts Payable	70	56
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7. Phoenix Company is considering two projects, P and Q. The expected cash flows of these projects are:

Project P						
Year	0	1	2	3	4	5
Cash Flow	-4000	900	1000	1000	2000	4000
Project Q						
Year	0	1	2	3	4	5
Cash Flow	-1600	700	700	600	800	800

Which project has better NPV, if the cost of capital is 10%?

nt	value	e inte	rest i	facto	r of S	\$1 pei	r peri e	od at	i% f	or n	perio	ds, l	PVIF	(i,n).				
6	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	
	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.844
	0.961	0.943	0.925	0.907	0.890	0.873	0.857	0.842	0.826	0.812	0.797	0.783	0.769	0.756	0.743	0.731	0.718	0.70
	0.942	0.915	0.889	0.864	0.840	0.816	0.794	0.772	0.751	0.731	0.712	0.693	0.675	0.658	0.641	0.624	0.609	0.593
	0.924	0.888	0.855	0.823	0.792	0.763	0.735	0.708	0.683	0.659	0.636	0.613	0.592	0.572	0.552	0.534	0.516	0.49
	0.906	0.863	0.822	0.784	0.747	0.713	0.681	0.650	0.621	0.593	0.567	0.543	0.519	0.497	0.476	0.456	0.437	0.419
2	0.888	0.837	0.790	0.746	0.705	0.666	0.630	0.596	0.564	0.535	0.507	0.480	0.456	0.432	0.410	0.390	0.370	0.35
;	0.871	0.813	0.760	0.711	0.665	0.623	0.583	0.547	0.513	0.482	0.452	0.425	0.400	0.376	0.354	0.333	0.314	0.29
;	0.853	0.789	0.731	0.677	0.627	0.582	0.540	0.502	0.467	0.434	0.404	0.376	0.351	0.327	0.305	0.285	0.266	0.249
ł	0.837	0.766	0.703	0.645	0.592	0.544	0.500	0.460	0.424	0.391	0.361	0.333	0.308	0.284	0.263	0.243	0.225	0.209
i	0.820	0.744	0.676	0.614	0.558	0.508	0.463	0.422	0.386	0.352	0.322	0.295	0.270	0.247	0.227	0.208	0.191	0.17
i	0.804	0.722	0.650	0.585	0.527	0.475	0.429	0.388	0.350	0.317	0.287	0.261	0.237	0.215	0.195	0.178	0.162	0.14
'	0.788	0.701	0.625	0.557	0.497	0.444	0.397	0.356	0.319	0.286	0.257	0.231	0.208	0.187	0.168	0.152	0.137	0.124
	0.773	0.681	0.601	0.530	0.469	0.415	0.368	0.326	0.290	0.258	0.229	0.204	0.182	0.163	0.145	0.130	0.116	0.104
	0.758	0.661	0.577	0.505	0.442	0.388	0.340	0.299	0.263	0.232	0.205	0.181	0.160	0.141	0.125	0.111	0.099	0.08
	0.743	0.642	0.555	0.481	0.417	0.362	0.315	0.275	0.239	0.209	0.183	0.160	0.140	0.123	0.108	0.095	0.084	0.074
:	0.728	0.623	0.534	0.458	0.394	0.339	0.292	0.252	0.218	0.188	0.163	0.141	0.123	0.107	0.093	0.081	0.071	0.06/
ł	0.714	0.605	0.513	0.436	0.371	0.317	0.270	0.231	0.198	0.170	0.146	0.125	0.108	0.093	0.080	0.069	0.060	0.052
i	0.700	0.587	0.494	0.416	0.350	0.296	0.250	0.212	0.180	0.153	0.130	0.111	0.095	0.081	0.069	0.059	0.051	0.044
:	0.686	0.570	0.475	0.396	0.331	0.277	0.232	0.194	0.164	0.138	0.116	0.098	0.083	0.070	0.060	0.051	0.043	0.037
	0.673	0.554	0.456	0.377	0.312	0.258	0.215	0.178	0.149	0.124	0.104	0.087	0.073	0.061	0.051	0.043	0.037	0.031
	0.610	0.478	0.375	0.295	0.233	0.184	0.146	0.116	0.092	0.074	0.059	0.047	0.038	0.030	0.024	0.020	0.016	0.013
2	0.552	0.412	0.308	0.231	0.174	0.131	0.099	0.075	0.057	0.044	0.033	0.026	0.020	0.015	0.012	0.009	0.007	0.00
1	0.500	0.355	0.253	0.181	0.130	0.094	0.068	0.049	0.036	0.026	0.019	0.014	0.010	0.008	0.006	0.004	0.003	0.00%
!	0.453	0.307	0.208	0.142	0.097	0.067	0.046	0.032	0.022	0.015	0.011	0.008	0.005	0.004	0.003	0.002	0.001	0.001
1	0.372	0.228	0.141	0.087	0.054	0.034	0.021	0.013	0.009	0.005	0.003	0.002	0.001	0.001	0.001	0.000	0.000	0.000
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nt v	a lue i	ntere	st fac	tor of	f an (e	ordina	iry) a	nnuit	y of S	\$1 pe	er pe	riod	at i%	5 for	n pe	riods	, PV	IFA
1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19
990	0.980	0.971	0.962	0.952	0.943	0.935	0.926	0.917	0.909	0.901	0.893	0.885	0.877	0.870	0.862	0.855	0.847	0.84
970	1.942	1.913	1.886	1.859	1.833	1.808	1.783	1.759	1.736	1.713	1.690	1.668	1.647	1.626	1.605	1.585	1.566	1.54
941	2.884	2.829	2.775	2.723	2673	2.624	2.577	2531	2487	2.444	2.402	2.361	2.322	2.283	2246	2210	2.174	2.14
902	3.808	3.717	3.630	3.546	3.465	3.387	3.312	3240	3.170	3.102	3.037	2.974	2.914	2.855	2.798	2.743	2.690	2.63
853	4.713	4.580	4.452	4.329	4212	4.100	3.993	3.890	3.791	3.696	3.605	3.517	3.433	3.352	3274	3.199	3.127	3.05
795	5.601	5.417	5242	5.076	4.917	4.767	4.623	4.486	4.355	4.231	4.111	3.998	3.889	3.784	3.685	3.589	3.498	3.410
728	6.472	6.230	6.002	5.786	5.582	5.389	5206	5.033	4.868	4.712	4.564	4.423	4.288	4.160	4.039	3.922	3.812	3.70
652	7.325	7.020	6.733	6.463	6210	5.971	5.747	5.535	5.335	5.146	4.968	4.799	4.639	4.487	4.344	4.207	4.078	3.95
566	8.162	7.786	7.435	7.108	6.802	6.515	6247	5.995	5.759	5.537	5.328	5.132	4.946	4.772	4.607	4.451	4.303	4.16
471	8.983	8.530	8.111	7.722	7.360	7.024	6.710	6.418	6.145	5.889	5.650	5.426	5216	5.019	4.833	4.659	4.494	4.33
368	9.787	9.253	8.760	8.306	7.887	7.499	7.139	6.805	6.495	6207	5.938	5.687	5.453	5234	5.029	4.836	4.656	4.48
255	10.575	9.954	9.385	8.863	8.384	7.943	7.536	7.161	6.814	6.492	6.194	5.918	5.660	5.421	5.197	4.988	4.793	4.61
134	11.348	10.635	9.986	9.394	8.853	8.358	7.904	7.487	7.103	6.750	6.424	6.122	5.842	5.583	5.342	5.118	4.910	4.71
004	12.106	11.296	10.563	9.899	9295	8.745	8244	7.786	7.367	6.982	6.628	6.302	6.002	5.724	5.468	5229	5.008	4.802
865	12.849	11.938	11.118	10.380	9.712	9.108	8.559	8.061	7.606	7.191	6.811	6.462	6.142	5.847	5.575	5.324	5.092	4.87
718	13.578	12.561	11.652	10.838	10.106	9.447	8.851	8.313	7.824	7.379	6.974	6.604	6265	5.954	5.668	5.405	5.162	4.93
562	14.292	13.166	12.166	11 <i>2</i> 74	10.477	9.763	9.122	8.544	8.022	7.549	7.120	6.729	6.373	6.047	5.749	5.475	5222	4.99
398	14.992	13.754	12.659	11.690	10.828	10.059	9.372	8.756	8.201	7.702	7.250	6.840	6.467	6.128	5.818	5.534	5273	5.03
226	15.678	14.324	13.134	12.085	11.158	10.336	9.604	8.950	8.365	7.839	7.366	6.938	6.550	6.198	5.877	5.584	5.316	5.07
046	16.351	14.877	13.590	12.462	11.470	10.594	9.818	9.129	8.514	7.963	7.469	7.025	6.623	6.259	5.929	5.628	5.353	5.10
023	19.523	17.413	15.622	14.094	12.783	11.654	10.675	9.823	9.077	8.422	7.843	7.330	6.873	6.464	6.097	5.766	5.467	5.19
808	22.396	19.600	17.292	15.372	13.765	12.409	11.258	10274	9.427	8.694	8.055	7.496	7.003	6.566	6.177	5.829	5.517	523
409	24.999	21.487	18.665	16.374	14.498	12.948	11.655	10.567	9.644	8.855	8.176	7.586	7.070	6.617	6215	5.858	5.539	525
835	27.355	23.115	19.793	17.159	15.046	13.332	11.925	10.757	9.779	8.951	8244	7.634	7.105	6.642	6.233	5.871	5.548	525
196	31.424	25.730	21.482	18.256	15.762	13.801	12.233	10.962	9.915	9.042	8.304	7.675	7.133	6.661	6246	5.880	5.554	526
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