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UNIVERSITY OF SWAZILAND
DEPARTMENT OF ACCOUNTING
MAIN EXAMINATION PAPER MAY, 2011

DEGREE/DIPLOMA AND YEAR STUDY:B COM V /IDE B COM YEAR 7

TITLE OF PAPER :ACCOUNTING THEORY
&INTERNATIONAL ACCOUNTING

COURSE CODE :AC 506 (M) 2011/IDE AC506(M)2011

TIME ALLOWED :THREE (3) HOURS

- INSTRUCTIONS**
1. TOTAL NUMBER OF QUESTIONS ON THIS PAPER: FIVE (5)
 2. ANSWER QUESTION ONE (1).IT IS COMPULSORY,AND AND ANY OTHER THREE QUESTIONS.THE TOTAL QUESTIONS TO BE ANSWERED ARE FOUR (4).
 3. THE MARKS AWARDED FOR A QUESTION/PART ARE INDICATED AT THE END OF EACH QUESTION/PART OF QUESTION.
 4. WHERE APPLICABLE, SUBMIT ALL WORKINGS AND CALCULATIONS.

NOTE: YOU ARE REMINDED THAT IN ASSESSING YOUR WORK, ACCOUNT WILL BE TAKEN OF ACCURACY OF THE LANGUAGE AND THE GENERAL QUALITY OF EXPRESSION, TOGETHER WITH THE LAYOUT AND PRESENTATION OF YOUR FINAL ANSWER.

SPECIAL REQUIREMENTS: FINANCIAL TABLES ATTACHED

THIS PAPER IS NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

QUESTION 1:**REQUIRED :**

- A. What are the objectives of IFRS 7 (International Financial Reporting Standard 7, *Financial Instruments: Disclosure*)? (2 marks)
- B. What is the significance of financial instruments for the financial positions and performance? (18 marks)
- C. What is the nature and extent of risks arising from the financial instruments? (5 marks)

Total for the question

(25 marks)

QUESTION 2:**REQUIRED :**

- A. Define the terms (components) of the following investor's cash flow model.

$$V_o = \sum_{i=1}^n \frac{D_i \alpha_i}{(1+B)^i} + \frac{I_n \alpha_n}{(1+B)^n} - I_o$$

$V_o = ?$

$D_i = ?$

$\alpha_i = ?$

$B = ?$

$I_n = ?$

$I_o = ?$

(5 marks)

B. Calculate the subjective net value (V_0) from the following data

Year of income	1	2	3	4	5	6
	E	E	E	E	E	E
Annual dividends per share (Di)	600,000	700,000	800,000	900,000	1,000,000	1,200,000
Certainty equivalent	1.6	1.6	1.7	1.7	1.8	1.8

The opportunity rate is:20% of the risk free investment.

The market price at the end of year 6 (when the investment is terminated) is E4,500,000.

The cost of investment at year 0,when an investment decision is made is E3,500,000.

(10 marks)

C. Briefly, what are the advantages and disadvantages of publishing company forecasts?

(10 marks)

Total for the question (25 marks)

QUESTION 3 :

REQUIRED :

One interpretation of the popular efficient market hypothesis is that the market fully impounds all public information as soon as it becomes available. Thus, it supposedly not possible to beat the market if fundamental financial analysis techniques are applied to publicly available information such as a firm's published accounts. Why might this hypothesis be more tenable in such countries such as United States or United Kingdom than in other International capital markets?

(25 marks)

QUESTION 4 :

The decision to invest abroad is a principal means of implementing the global strategy of a multinational company. But the domestic capital budgeting theory has to be modified. Multinational adaptations of traditional investment planning have taken place in at least three major areas. These are:

- Determination of the relevant return from multinational investments.
- Measurement of expected cash flows.
- Calculation of multinational cost of capital.

REQUIRED :

A. What constitutes the relevant return? (5 marks)

B. How are the expected cash flows and the expected return measured? (10 marks)

C. Calculate the multinational cost of capital.
First describe the components of the formula below, and then calculate the cost of capital.

ka =?	$\frac{k_e E}{S} + k_i(1-t)\frac{D}{S}$
Where:	
ke =	Find it??
ki =	12%
t =	30%
E =	E140,000,000
D =	E60,000,000
ke =	$\frac{D_i}{P_o} + g$
Di =	E150
Po =	E1,000
g =	3%

(10 marks)
Total for the question (25 marks)

**QUESTION 5:
REQUIRED :**

- A. In the sustainable development analysis what do the term “Global Reporting Initiative” imply? (15 marks)
- B. What is Eco Efficient Rate (EER)? (2 marks)
From the following table calculate the EER

Year	2010	2009	2008	2007	2006	2005
	E	E	E	E	E	E
Environmental expenditure in Emalangeneni millions	220	200	170	160	150	140
Environmental damage in millions	3	4	5	6	7	8
EER	?	?	?	?	?	?

(5 marks)

C. Calculate the carbon dioxide (in metric tons equivalent) produced by burning the following sources to produce energy.

SOURCE OF ENERGY AT A STATIONARY	ENERGY AMOUNT
COMBUSTION	
1.Natural gas at a stationary source	1000 tons of hydrocarbon used
2.Standard refinery oil used at a stationary source	1,100 tons of hydrocarbons used
3.Bituminous coal burnt at a stationary source	3,400 tons of coal used
4.Marine heavy fuel used at a cement factory	2,000 tons of hydrocarbon used
MOBILE COMBUSTION	
5. Gasoline/petrol	1,200 tons of gasoline/petrol used in mobile combustion vehicles
6.Diesel	3,250 tons of diesel used in mobile combustion vehicles
7.Kerosine (jet fuel)	6,000 tons of aviation fuel used in a aircraft mobile combustion

Fuel type	Conversion factors/ Tons of CO2 per a ton of hydrocarbon
Fuel gas/gas turbine/gas engine	2.75
Gasoline/petrol	3.08
Kerosine (jet fuel)	3.11
Diesel	3.12
Standard refinery fuel	3.14
Marine heavy fuel oil	3.17
Crude oil	3.21
Coal	3.67

Total for the question

**(3 marks)
(25 marks)**

TOTAL FOR THE PAPER

(100

Table 2 Present value of 1 at compound interest: $(1+r)^{-n}$

Years (n)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696
2	0.9803	0.9612	0.9426	0.9246	0.9070	0.8900	0.8734	0.8573	0.8417	0.8264	0.8116	0.7972	0.7831	0.7695	0.7561
3	0.9706	0.9423	0.9151	0.8890	0.8638	0.8396	0.8163	0.7938	0.7722	0.7513	0.7312	0.7118	0.6931	0.6750	0.6575
4	0.9610	0.9238	0.8885	0.8548	0.8227	0.7921	0.7629	0.7350	0.7084	0.6830	0.6587	0.6355	0.6133	0.5921	0.5718
5	0.9515	0.9057	0.8626	0.8219	0.7835	0.7473	0.7130	0.6806	0.6499	0.6209	0.5935	0.5674	0.5428	0.5194	0.4972
6	0.9420	0.8880	0.8375	0.7903	0.7462	0.7050	0.6663	0.6302	0.5963	0.5645	0.5346	0.5066	0.4803	0.4556	0.4323
7	0.9327	0.8706	0.8131	0.7599	0.7107	0.6651	0.6227	0.5835	0.5470	0.5132	0.4817	0.4523	0.4251	0.3996	0.3759
8	0.9235	0.8535	0.7894	0.7307	0.6768	0.6274	0.5820	0.5403	0.5019	0.4665	0.4339	0.4039	0.3762	0.3506	0.3269
9	0.9143	0.8368	0.7664	0.7026	0.6446	0.5919	0.5439	0.5002	0.4604	0.4241	0.3909	0.3606	0.3329	0.3075	0.2843
10	0.9053	0.8203	0.7441	0.6756	0.6139	0.5584	0.5083	0.4632	0.4224	0.3855	0.3522	0.3220	0.2946	0.2697	0.2472
11	0.8963	0.8043	0.7224	0.6496	0.5847	0.5268	0.4751	0.4289	0.3875	0.3505	0.3173	0.2875	0.2607	0.2366	0.2149
12	0.8874	0.7885	0.7014	0.6246	0.5568	0.4970	0.4440	0.3971	0.3555	0.3186	0.2858	0.2567	0.2307	0.2076	0.1869
13	0.8787	0.7730	0.6810	0.6006	0.5303	0.4688	0.4150	0.3677	0.3262	0.2887	0.2575	0.2292	0.2042	0.1821	0.1625
14	0.8703	0.7579	0.6611	0.5775	0.5051	0.4423	0.3878	0.3405	0.2992	0.2633	0.2320	0.2046	0.1807	0.1597	0.1413
15	0.8613	0.7430	0.6419	0.5553	0.4810	0.4173	0.3624	0.3152	0.2745	0.2394	0.2090	0.1827	0.1599	0.1401	0.1229
16	0.8528	0.7284	0.6232	0.5339	0.4581	0.3936	0.3387	0.2919	0.2519	0.2176	0.1883	0.1631	0.1415	0.1229	0.1069
17	0.8444	0.7142	0.6050	0.5134	0.4363	0.3714	0.3166	0.2703	0.2311	0.1978	0.1696	0.1456	0.1252	0.1078	0.0929
18	0.8360	0.7002	0.5874	0.4936	0.4155	0.3503	0.2959	0.2502	0.2120	0.1799	0.1528	0.1300	0.1108	0.0946	0.0808
19	0.8277	0.6864	0.5703	0.4746	0.3957	0.3305	0.2765	0.2317	0.1945	0.1635	0.1377	0.1161	0.0981	0.0829	0.0703
20	0.8195	0.6730	0.5537	0.4564	0.3769	0.3118	0.2584	0.2145	0.1784	0.1486	0.1240	0.1037	0.0868	0.0728	0.0611
21	0.7795	0.6095	0.4776	0.3751	0.2953	0.2330	0.1842	0.1460	0.1160	0.0923	0.0736	0.0588	0.0471	0.0378	0.0304
22	0.7419	0.5521	0.4120	0.3083	0.2314	0.1741	0.1314	0.0994	0.0764	0.0573	0.0437	0.0334	0.0256	0.0196	0.0151
23	0.7059	0.5000	0.3554	0.2534	0.1813	0.1301	0.0937	0.0676	0.0490	0.0356	0.0259	0.0189	0.0139	0.0102	0.0075
24	0.6717	0.4529	0.3066	0.2083	0.1420	0.0972	0.0668	0.0460	0.0318	0.0221	0.0154	0.0107	0.0075	0.0053	0.0037
25	0.6391	0.4102	0.2644	0.1712	0.1113	0.0727	0.0476	0.0313	0.0207	0.0137	0.0091	0.0061	0.0041	0.0027	0.0019
26	0.6080	0.3715	0.2281	0.1407	0.0872	0.0543	0.0339	0.0213	0.0134	0.0085	0.0054	0.0035	0.0022	0.0014	0.0009

27	0.5782	0.3332	0.2000	0.1240	0.0759	0.0484	0.0313	0.0196	0.0127	0.0082	0.0053	0.0035	0.0022	0.0014	0.0009
28	0.5482	0.2982	0.1700	0.1040	0.0619	0.0384	0.0243	0.0156	0.0100	0.0066	0.0041	0.0026	0.0016	0.0010	0.0007
29	0.5182	0.2632	0.1450	0.0850	0.0499	0.0304	0.0193	0.0126	0.0082	0.0053	0.0033	0.0021	0.0013	0.0008	0.0005
30	0.4882	0.2282	0.1200	0.0650	0.0359	0.0224	0.0143	0.0096	0.0062	0.0039	0.0024	0.0015	0.0009	0.0006	0.0004
31	0.4582	0.1932	0.0950	0.0450	0.0274	0.0164	0.0106	0.0070	0.0046	0.0028	0.0017	0.0010	0.0007	0.0005	0.0003
32	0.4282	0.1582	0.0700	0.0250	0.0159	0.0096	0.0060	0.0038	0.0023	0.0014	0.0009	0.0006	0.0004	0.0003	0.0002
33	0.3982	0.1232	0.0450	0.0150	0.0096	0.0056	0.0034	0.0021	0.0013	0.0008	0.0005	0.0003	0.0002	0.0001	0.0001
34	0.3682	0.0882	0.0200	0.0050	0.0036	0.0022	0.0014	0.0008	0.0005	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001
35	0.3382	0.0532	0.0050	0.0015	0.0009	0.0005	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
36	0.3082	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Present value of an annuity of 1: $1 - (1+r)^{-n}$

Years	Interest rates (%)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0.9901	0.9804	0.9709	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8772	0.8696	1
2	1.9704	1.9416	1.9135	1.8861	1.8594	1.8334	1.8080	1.7833	1.7591	1.7355	1.7125	1.6901	1.6681	1.6467	1.6257	2
3	2.9410	2.8839	2.8286	2.7751	2.7232	2.6730	2.6243	2.5771	2.5313	2.4869	2.4437	2.4018	2.3612	2.3216	2.2832	3
4	3.9020	3.8077	3.7171	3.6299	3.5460	3.4651	3.3872	3.3121	3.2397	3.1699	3.1024	3.0373	2.9745	2.9137	2.8550	4
5	4.8534	4.7135	4.5797	4.4518	4.3286	4.2124	4.1002	3.9927	3.8897	3.7908	3.6959	3.6048	3.5172	3.4331	3.3522	5
6	5.7955	5.6014	5.4172	5.2421	5.0757	4.9173	4.7665	4.6229	4.4859	4.3553	4.2305	4.1114	3.9975	3.8887	3.7845	6
7	6.7282	6.4720	6.2303	6.0021	5.7864	5.5824	5.3893	5.2064	5.0330	4.8684	4.7122	4.5638	4.4226	4.2883	4.1604	7
8	7.6517	7.3255	7.0197	6.7327	6.4632	6.2098	5.9713	5.7466	5.5348	5.3349	5.1461	4.9678	4.7908	4.6389	4.4973	8
9	8.5660	8.1822	7.7861	7.4353	7.1078	6.8017	6.5152	6.2469	5.9962	5.7590	5.5370	5.3282	5.1317	4.9464	4.7716	9
10	9.4713	8.9826	8.5302	8.1109	7.7217	7.3601	7.0236	6.7069	6.4177	6.1446	5.8892	5.6502	5.4262	5.2161	5.0198	10
11	10.3676	9.7868	9.2526	8.7605	8.3064	7.8869	7.4987	7.1390	6.8052	6.4915	6.1924	5.9077	5.6377	5.3819	5.1397	11
12	11.2551	10.5753	9.9540	9.3851	8.8633	8.3838	7.9427	7.5361	7.1567	6.8017	6.4724	6.1644	5.8769	5.6023	5.3412	12
13	12.1337	11.3484	10.6350	9.9856	9.3938	8.8527	8.3577	7.9038	7.4869	7.1034	6.7499	6.4235	6.1218	5.8424	5.5831	13
14	13.0037	12.1062	11.2961	10.6631	9.9986	9.2950	8.7455	8.2442	7.7882	7.3667	6.9819	6.6282	6.3025	6.0021	5.7245	14
15	13.8651	12.8493	11.9379	11.1194	10.3797	9.7122	9.1079	8.5595	8.0607	7.6126	7.1909	6.8109	6.4624	6.1422	5.8474	15
16	14.7179	13.5777	12.5611	11.6523	10.8378	10.1059	9.4466	8.8514	8.3126	7.8237	7.3792	6.9740	6.6039	6.2651	5.9542	16
17	15.5623	14.2919	13.1661	12.1657	11.2741	10.4773	9.7632	9.1216	8.5436	8.0216	7.5488	7.1196	6.7291	6.3729	6.0472	17
18	16.3983	14.9920	13.7535	12.6593	11.6896	10.8276	10.0591	9.3719	8.7556	8.2014	7.7016	7.2497	6.8339	6.4674	6.1280	18
19	17.2260	15.6785	14.3238	13.3339	12.4622	11.6158	10.8356	10.1273	9.4826	8.9001	8.3737	7.8933	7.4491	7.0300	6.6329	19
20	18.0456	16.3514	14.8775	14.0221	13.2834	12.4939	11.7636	11.0748	10.4516	9.8849	9.3710	8.8933	8.4429	8.0127	7.6007	20
25	22.0232	19.5235	17.4131	15.6221	14.0939	12.7834	11.6594	10.6748	9.8226	9.0770	8.4217	7.8317	7.3000	6.8229	6.4641	25
30	25.8077	22.3965	19.6004	17.2920	15.3725	13.7648	12.4090	11.2573	10.2737	9.4259	8.6938	8.0562	7.4957	7.0027	6.5660	30
35	29.4086	24.9986	21.4872	18.6646	16.3742	14.4982	12.9477	11.6546	10.5668	9.6442	8.8552	8.1755	7.5856	7.0700	6.6166	35
40	32.8347	27.3555	23.1148	19.7928	17.1591	15.0463	13.3317	11.9246	10.7574	9.7791	8.9511	8.2438	7.6344	7.1050	6.6418	40
45	36.0945	29.4902	24.5187	20.7200	17.7741	15.4558	13.6055	12.1084	10.8812	9.8628	9.0079	8.2825	7.6609	7.1232	6.6543	45
50	39.1961	31.4236	25.7298	21.4822	18.2559	15.7619	13.8007	12.2335	10.9617	9.9148	9.0417	8.3045	7.6752	7.1327	6.6605	50
16	1.6821	0.8547	0.8475	0.8403	0.8333	0.8264	0.8197	0.8130	0.8065	0.8000	0.7937	0.7874	0.7812	0.7752	0.7692	1
2	1.6052	1.6852	1.5656	1.5465	1.5278	1.5095	1.4915	1.4740	1.4568	1.4400	1.4235	1.4074	1.3916	1.3761	1.3609	2
3	2.2459	2.2096	2.1743	2.1399	2.1065	2.0739	2.0422	2.0114	1.9813	1.9520	1.9234	1.8966	1.8684	1.8420	1.8161	3
4	2.7982	2.7432	2.6901	2.6386	2.5887	2.5404	2.4936	2.4483	2.4043	2.3616	2.3202	2.2800	2.2410	2.2031	2.1662	4
5	3.12743	3.1272	3.1272	3.0576	2.9906	2.9260	2.8636	2.8035	2.7454	2.6893	2.6351	2.5827	2.5320	2.4830	2.4356	5
6	3.6847	3.5892	3.4976	3.4098	3.3255	3.2446	3.1669	3.0923	3.0206	2.9514	2.8850	2.8210	2.7594	2.7000	2.6427	6
7	4.0386	3.9224	3.8115	3.7057	3.6046	3.5079	3.4155	3.3270	3.2423	3.1611	3.0833	3.0087	2.9370	2.8682	2.8021	7
8	4.3436	4.2072	4.0776	3.9544	3.8372	3.7256	3.6193	3.5179	3.4212	3.3289	3.2407	3.1564	3.0758	2.9986	2.9247	8
9	4.6065	4.4506	4.3030	4.1633	4.0310	3.9054	3.7863	3.6731	3.5655	3.4631	3.3657	3.2728	3.1842	3.0997	3.0190	9
10	4.8332	4.6586	4.4941	4.3389	4.1925	4.0541	3.9232	3.7993	3.6819	3.5705	3.4648	3.3644	3.2689	3.1781	3.0915	10
11	5.0286	4.8364	4.6560	4.4855	4.3237	4.1769	4.0354	3.9018	3.7819	3.6654	3.5535	3.4465	3.3435	3.2438	3.1473	11
12	5.1971	4.9884	4.7932	4.6105	4.4392	4.2784	4.1274	3.9852	3.8514	3.7224	3.5974	3.4762	3.3587	3.2438	3.1303	12
13	5.3423	5.1183	4.9095	4.7147	4.5327	4.3624	4.2028	4.0530	3.9124	3.7801	3.6555	3.5331	3.4133	3.2957	3.1803	13
14	5.4675	5.2293	5.0081	4.8023	4.6106	4.4317	4.2646	4.1082	3.9616	3.8241	3.6959	3.5733	3.4587	3.3507	3.2487	14
15	5.5755	5.3242	5.0916	4.8759	4.6723	4.4890	4.3152	4.1530	4.0033	3.8653	3.7381	3.6110	3.4834	3.3632	3.2526	15
16	5.6685	5.4053	5.1624	4.9377	4.7223	4.5266	4.3467	4.1844	4.0333	3.8924	3.7615	3.6306	3.5026	3.3832	3.2728	16
17	5.7487	5.4746	5.2223	4.9897	4.7746	4.5755	4.3908	4.2190	4.0691	3.9279	3.7965	3.6640	3.5366	3.4130	3.2948	17
18	5.8178	5.5339	5.2732	5.0333	4.8122	4.6079	4.4187	4.2431	4.0799	3.9279	3.7851	3.6538	3.5294	3.4130	3.3037	18
19	5.9288	5.5845	5.3162	5.0700	4.8435	4.6346	4.4415	4.2627	4.0967	3.9424	3.7955	3.6642	3.5306	3.4210	3.3105	19
20	6.0971	5.7562	5.4669	5.2000	4.9666	4.7567	4.5603	4.3786	4.2103	4.0539	3.9083	3.7726	3.6442	3.5271	3.4158	20
25	6.9971	6.0971	5.4669	5.1951	4.9476	4.7213	4.5139	4.3232	4.1474	3.9849	3.8332	3.6943	3.5640	3.4423	3.3286	25
30	6.1772	5.8294	5.5160	5.2347	4.9789	4.7463	4.5338	4.3391	4.1601	3.9950	3.8424	3.7009	3.5693	3.4466	3.3321	30