

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 (D_i)	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 :

- What constitutes the relevant return? (5 marks)
- 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 =?	$\frac{k_e E}{S} + \frac{k_i (1-t) D}{S}$
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%

Total for the question (10 marks)
(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	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	0.6365	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	0.287	0.2575	0.2292	0.2042	0.1821	0.1625
14	0.8700	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

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
0.8621	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
0.7432	0.7305	0.7182	0.7062	0.6944	0.6830	0.6719	0.6610	0.6504	0.6400	0.6299	0.6200	0.6104	0.6009	0.5917
0.6407	0.6244	0.6086	0.5934	0.5787	0.5645	0.5507	0.5374	0.5245	0.5120	0.4999	0.4882	0.4768	0.4658	0.4552
0.5523	0.5337	0.5158	0.4987	0.4823	0.4665	0.4514	0.4369	0.4230	0.4096	0.3968	0.3844	0.3725	0.3611	0.3501
0.4761	0.4561	0.4371	0.4190	0.4019	0.3855	0.3700	0.3552	0.3411	0.3277	0.3149	0.3027	0.2910	0.2799	0.2693
0.4104	0.3898	0.3704	0.3521	0.3349	0.3186	0.3033	0.2888	0.2751	0.2621	0.2499	0.2383	0.2274	0.2170	0.2072
0.3538	0.3332	0.3139	0.2959	0.2791	0.2633	0.2486	0.2348	0.2218	0.2097	0.1983	0.1877	0.1776	0.1682	0.1594
0.3050	0.2848	0.2660	0.2487	0.2326	0.2176	0.2038	0.1909	0.1789	0.1678	0.1574	0.1478	0.1388	0.1304	0.1226
0.2630	0.2434	0.2255	0.2090	0.1938	0.1799	0.1670	0.1552	0.1443	0.1342	0.1249	0.1164	0.1084	0.1011	0.0943
0.2267	0.2080	0.1911	0.1756	0.1615	0.1486	0.1369	0.1262	0.1164	0.1074	0.0992	0.0916	0.0847	0.0784	0.0725
0.1954	0.1778	0.1619	0.1476	0.1346	0.1228	0.1122	0.1026	0.0938	0.0859	0.0787	0.0721	0.0662	0.0607	0.0558
0.1685	0.1520	0.1372	0.1240	0.1122	0.1015	0.0920	0.0834	0.0757	0.0687	0.0625	0.0568	0.0517	0.0471	0.0429
0.1452	0.1299	0.1163	0.1042	0.0935	0.0839	0.0754	0.0678	0.0610	0.0550	0.0496	0.0447	0.0404	0.0365	0.0330
0.1252	0.1110	0.0985	0.0876	0.0779	0.0693	0.0618	0.0551	0.0492	0.0440	0.0393	0.0352	0.0316	0.0283	0.0254
0.1079	0.0949	0.0835	0.0736	0.0649	0.0573	0.0507	0.0448	0.0397	0.0352	0.0312	0.0277	0.0247	0.0219	0.0195
0.0930	0.0811	0.0708	0.0618	0.0541	0.0474	0.0415	0.0364	0.0320	0.0281	0.0248	0.0218	0.0193	0.0170	0.0150
0.0802	0.0693	0.0600	0.0520	0.0451	0.0391	0.0340	0.0296	0.0258	0.0225	0.0197	0.0172	0.0150	0.0132	0.0116
0.0691	0.0592	0.0508	0.0437	0.0376	0.0323	0.0279	0.0241	0.0208	0.0180	0.0156	0.0135	0.0118	0.0102	0.0089
0.0596	0.0506	0.0431	0.0367	0.0313	0.0267	0.0229	0.0196	0.0168	0.0145	0.0124	0.0107	0.0092	0.0079	0.0068
0.0514	0.0433	0.0365	0.0308	0.0261	0.0221	0.0187	0.0159	0.0135	0.0115	0.0098	0.0084	0.0072	0.0061	0.0053
0.0245	0.0197	0.0160	0.0129	0.0105	0.0085	0.0069	0.0057	0.0046	0.0038	0.0031	0.0025	0.0021	0.0017	0.0014
0.0116	0.0090	0.0070	0.0054	0.0042	0.0033	0.0026	0.0020	0.0016	0.0012	0.0010	0.0008	0.0006	0.0005	0.0004

