

## TEST IN APPRAISAL OF EQUITY

Name:	 	 
Number of points earned:		

1.	Defin I II III IV V	ning appraisal assignment includes: Date of appraisal Purpose of appraisal Appraiser's qualifications Standard and definition of value Subject of appraisal	Points 2
	A B C D	I, II, and V I, II, III, and V I, II, IV, and V I and V Everything from I to V	
2.		ch one of the following statements are correct with regard to comparable transactions od appraisal?  Data sources are objective.  Results are easily corrected for differences in degree of control.  It is based on prices formed by exceptionally large number of buyers and sellers.  Easy to find data on transactions with comparable companies.  Data refers to minority packages.	2
	A B C D	I, II, and IV I and II I, II, IV, and V Only I II, III, and IV	
3.	Basic is: A B C D	te benefit of presenting balance sheet and income statement in relative terms (common size)  It classifies similar companies by size of assets and similarity of financial ratios in order to apply comparable companies method.  Provides for analysis of corrections of financial statements.  Links each item of the balance sheet with each item of the income statement in the analysis process.  Enables easier comparison of a company with the branch average, companies of different size, and historical data.  Enables analysis of sales trends.	2
4.	Thre A B C D E	e components of DuPont formula for ROE are: Coverage, profitability, liquidity Leverage, profitability, liquidity Leverage, profitability, turnover Liquidity, profitability, turnover Coverage, liquidity, turnover	2
5.	Cost A B C D	approach in appraisal is the most applicable in case of appraisal of Companies that operate with rented assets Service companies Labor-intensive companies Capital-intensive companies Companies with relatively old assets	2

6.	follo		ercentage	in relative terms (common-size), (one decimal) which corresponds		
	(000	Revenue		.400		
		Gross margin	1	600		
		Marketing expanses		150		
		Intangible and other expenses		175		
		Lease		75		
				120		
		Working capital				
		Fixed assets		850		
		Short-term liabilities		70		
		Long-term liabilities		730		
		Own capital		170		
		Answer:				
		Directs costs	%			2
		Short-term liabilities	%	<u>)                                    </u>		2
7.	The	oretical basis of cost approach in	appraisal i	s represented by		2
	A	Anticipation principle				
	В	Best use principle				
	C	Replacement costs principle				
	D	Depreciation principle				
	E	Substitution principle				
8.				e of financial expenses (interest c rmula (indicate names of componer		
	BS	Working capital	100	Short-term liabilities	50	
	20	Fixed assets	150	Long-term liabilities	90	
		Total assets	250	Equity	110	
		Total assets	230	Equity	110	
	BU	Income	175			
		Direct costs	25			
		Gross margin	150			
		Intangible and other expenses	20			
		Marketing expenses	20			
		Interest expenses	15			
		Depreciation	15			
		Profit tax	32			
		Answer: Coverage of financial expenses				3
		DuPont formula		<del>-</del>		
		1.				2
		2				2
		2.				
		<u>2.</u> 3.		<del></del>		
		3. ROE (1x2x3)		<del></del>		2 2

9.	Which a	group of ratios is the best in measuring financial risk compared to reference companies?	2
	B Ef C Pr D Le	iquidity and turnover ratios  fficiency ratios  rofitability ratios  everage ratios (indebtedness)  lone of the above	
10.	A Ra B Sp C Hy D Te	rm investment value best describes the value from the standpoint of actional investor pecific individual investor (appothetical investor bender buyer creditor	2
11.	A Pu  B If C Pu D On	of the following statements is <i>false</i> ? urpose of appraisal can influence standard (definition) of value and choice of appraisal nethod. If different appraisal methods are applied, the same appraisal can serve different purposes. urpose of appraisal can influence corrections made on financial statements. One purpose of appraisal usually corresponds to one definition of value. If one of the above is false.	2
12.	A Fi B M C Fo D Pr	is of industry (branch), in which the company operates, should include information on inancial statements of comparable companies.  Maturity of the industry, competition, trends, and risk factors. oreign currency exchange trends. rojections of domestic product trends.  Instorical financial statements of the company.	2
13.	A Ra B Sy C Ra in D In	nt rate is tate of return on total capital invested in company. ynonym for depreciation of fixed assets. tate of return used for conversion into present value of cash amount to be received or paid in future. The terest rate on investment credits. The terest rate on own assets.	2
14.	the price A Re B Co C In D Li	aption that rational investor for certain asset or company will not pay a price higher than the of the same assets in the market (substitution principle) lays in the basis of eturn approach cost approach investment value iquidation value Market approach	2

15. Appraiser should use *invested capital* as the fundamental category when A Appraising minority package.

2

B C	Companies has no credits.  Capital structure of a company significantly companies.	differs from capital structure of comparable	
D E	Capital structure of a company is similar to ca There is possibility for a company to assume		
	ich assets items are subject to corrections (o ket value by net assets method? Cash, receivables, inventory All items Inventory and fixed assets Intangible investments Long-term financial investments	n the basis of appraisal) in appraisal of fair	2
	ich final correction should be applied if <i>mine</i> led at the stock exchange market by <i>method of a</i> None.  Discount for unmarketable shares of stock.  Control premium.  Discount for lack of control.  B and D.		2
Main A B C D E	in components in return approach in appraisal a Value of assets and rate of return on assets. Projection of profit level for one or several ye Realized profit level and value multiplier. Capitalization rate and/or discount rate. B and D.		2
Inve I II III IV	ested capital can be defined as  Total assets minus non-interest bearing liabili Interest bearing liabilities plus own capital Own capital plus short-term no-interest liabili Equity		2
A B C D	I, II I, III II, IV II, III, IV I, III, IV I, II, III, I		
	the basis of provided information calculate <u>proceed of invested capital</u> using <u>CAPM method.</u>	<u>rice of own capital</u> using <u>buid-up method</u> and	
A B C D E F	Market risk premium Risk free rate Small business risk rate Long-term growth rate Specific company risk Tax rate  Prince of the company  79  89  89  79  79  79  79  79  79  79	% % % % %	
G H	Price of debt 129 Debt share in invested capital 339		

1.2

16.

17.

18.

19.

20.

I

Beta

	Rs Ri	Answer: Price of own capital (build-up method) Price of invested capital (CAPM)	<u>%</u> <u>%</u>	3
21.	Disc A B	count rate and risk level in a company are rev True. False.	versely proportional.	1
22.	Price A B C D E	te of debt in calculation of average weighted Interest expenses Tax rate Interest income Long-term growth rate Beta ratio	price of capital must be corrected by	2
23.	Pres A B C D	Presumptions about midyear revenues Presumptions about revenues at the end of Anticipated dynamics of cash flows Anticipated dynamics of revenues Accounting policies		2
24.	<ul> <li>gene</li> <li>valu</li> <li>1</li> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> </ul>	erated by invested capital, and, using data a tes.  Net profit Depreciation Interest expenses Profit tax Investments in fixed assets Investments in TOS Net credit increase e: NT of invested capital should be calculate	the flow generated by own capital, net cash flow and solution from the task 20, respective residual  400 600 150 175 75 120 850 d with given tax amount.	
		Answer: Net cash flow from own capital Residual value Net cash flow from invested capital Residual value		5 5 5 5
25.	Whi I II III IV V	ich of the following information does not hav Data, facts, and reasons for making the cor Explanation of the choice and implementat Deadlines and fees for composing the repo Statements and qualifications of appraiser Statement on authenticity of data	ion of appraisal method	2
	A B C D	I, II II, III III, IV III, IV, V		

26. Data which follows refers to appraisal of 100% equity of the company TGC by net assets method. Based on this data, calculate appraised values of *inventory*, *fixed assets* (*land*, *buildings*, *and equipment*), *intangible investments*, *and own capital*.

	Answer.		
	Appraised value of inventory		
	Appraised value of fixed assets		
	Appraised value of intangible investments		
	Appraised value of equity (own capital)		
BS	Balance sheet as of 12/31		
	ASSETS	2.645	
	Cash	135	
	Receivables	210	
	Inventory	630	
	Total working capital	975	
	Net fixed assets	1.600	
	Long term sales	70	
	LIADII ITIES - EOLUTV	2 6 4 5	
	LIABILITIES + EQUITY	2.645	
	Short-term liabilities	850	
	Long-term liabilities	1.200	
	Total liabilities	2.050	
	Equity	595	
DP	Supplemental data		
A	Interest expenses	140	
В	Unrecorded inventory	200	
	Appraised value of fixed assets		
C	New acquisition price	3.300	
D	Depreciated costs of replacement	2.900	
E	Value in regular liquidation	1.500	
F	Appraised value of long-term sales	100	
G	Appraised value of mineral rights	80	
	-		

27. How much is the discount exponent going to be for residual value if the cash flow is projected 2 for 6 years, and cash flows are evenly realized during a year?

Answer:	

- 28. Which correction of the result should be made if the MVIC/EBITDA multiplier is applied (irrelevant for premiums and discounts), if 100% of invested capital is being appraised?
  - A Subtract value of interest bearing liabilities
  - B Add value of non-operative assets
  - C Subtract external depreciation
  - D Add residual value

Answer:

- E A and B
- 29. In case market value of property cannot be appraised, IVS instruct using
  - A Depreciated replacement costs (according to GN 8)

- Non-market values (according to IVS 2) В
- Cost approach (according to IVS 1)  $\mathbf{C}$
- D Direct comparison of sales prices (according to GN 1)
- Return approach (according to GN 9) Ε
- 30. Statement on authenticity of data is given by A Client (procurer of appraisal)

  - В Appraiser
  - $\mathbf{C}$ Company being appraised
  - D A and C
  - B and C Е

2