

## Exam “Corporate Finance” (60 points):

### Tests

(Each test has the only one correct answer. Please, **highlight** the correct answer. You can type Your decision under the test, if it is needed. Every test with correct answer is evaluated by 2 points):

**1. Which of the following types of business organization is more likely to enter into long-term contracts?**

- a. sole proprietorships
- b. partnerships
- c. corporations**
- d. any of the above

**2. Choose the fixed asset from the list:**

- a. accounts payable
- b. registered capital
- c. vehicle**
- d. bank credit

**3. Which of the following statements best summarizes what a business partnership is all about?**

- a. Partners own the partnership’s assets together.
- b. Partnerships can harness the skills and expertise of more than one person.**
- c. A partnership involves two or more persons engaged in economic activity.
- d. Partners need careful planning to succeed in business.

**4. Choose the current asset from the list:**

- a. building
- b. inventories**
- c. provisions
- d. accounts payable

5. The beginning inventory at the firm was 15 units, which were purchased last year at \$12 each. During current year company purchases 7 units at \$13 apiece, and later, 4 units at \$14 apiece. The company sells 11 units during the current year. **Which of the following inventory valuation methods yields the lowest ending inventory value for this inventory item?**

- a. FIFO
- b. LIFO**
- c. weighted average
- d. All these methods yield the same value for ending inventory.

FIFO – A)  $15 \times 12 = 180$  B)  $7 \times 13 = 91$  C)  $4 \times 14 = 56$  (at the end of year has 15)

$12 \times 4 = 48 + 56 + 91 = \mathbf{195}$

LIFO – C)  $4 \times 14 = 56$ , B)  $7 \times 13 = 91$ , the rest amount is  $15 \times 12 = \mathbf{180}$

Weighted average:

$$(A) 15 \cdot 12 = 180 + (B) 7 \cdot 13 = 91 + (C) 4 \cdot 14 = 56 / 26 = 12,6$$

$$15 \cdot 12,6 = 189$$

**6. Choose the intangible asset from the list:**

- a. Transport
- b. Inventories
- c. Accounts receivable
- d. Trade mark

**7. What is the formula of the operational cycle:**

- a. Days Inventory Outstanding + Days Sales Outstanding – Days Payables Outstanding
- b. Production cycle + Days Sales Outstanding
- c. Production cycle – Days Payables Outstanding
- d. Days Inventory Outstanding – Days Sales Outstanding + Days Payables Outstanding

**8. The expression that describes the terms of goods delivery: “n/m netto e” the symbol “m” means:**

- a. discount;
- b. the period of discount;
- c. the term of accounts receivables;
- d. banking interest rate;
- e. no correct answer.

**9. With increasing of accounts receivable turnover index twice, the period of its turnover will:**

- a. reduce four times;
- b. remain unchanged;
- c. increase four times;
- d. reduce twice;
- e. increase twice.

**10. What is the formula of cash liquidity:**

- a. Current assets/ Current liabilities
- b. (Current assets – inventories)/ Current liabilities;
- c. (Cash and marketable securities + Short-term financial investments + Accounts receivable)/ Current liabilities
- d. (Cash and marketable securities + Short-term financial investments)/ Current liabilities

**11. The Coral Reef Adventure Resort plans to transport guests to its underwater facility in a submarine. The sub cost \$250,000, has a salvage value of \$10,000, and has an estimated useful life of 48,000 hours, or 6 years' use. During the first year of the sub's operation, it was used for 8,000 hours. What method of depreciation will give the lowest value for the first year:**

- a. straight-line method

**b. units of production method**

- c. sum-of-the-years' digits method
- d. double declining balance method

- a)  $AD = \text{original value} - \text{salvage value} / \text{useful life} = (250\,000 - 10\,000) / 6 = 40\,000$
- b)  $AD = 2 * \text{book value} / \text{useful life} = 2 * (250\,000 - 0) / 6 = 83\,333$
- c)  $AD = (250\,000 - 10\,000) * 6 / (1+2+3+4+5+6) = 68\,571$
- d)  $AD = 8\,000 * (250\,000 - 10\,000) / 48\,000 = 40\,000$

**12. what items belong to debts:**

- a. registered capital
- b. Reserve capital
- c. Short-term financial investments
- d. Short-term bank credit**
- e. received notes

**13. there are the following types of the working capital financing policies :**

- a. aggressive, stabilizing, moderate;
- b. stimulating, supportive, aggressive;
- c. moderate, conservative, aggressive;**
- d. effective, passive, active;
- e. conservative, active, moderate.

**14. The income statement is the report:**

- a. about incomes and expenses of the company;**
- b. that reflects changes in equity during the reporting period;
- c. about the financial state, which reflects assets, liabilities and equity;
- d. which reflects the cash inflow, outflow;
- e. the excess of expenditure over income.

**15. formula of net working capital:**

- a. current assets – current liabilities**
- b. fixed assets – Accruals and deferred income
- c. current liabilities – current assets
- d. Prepayments and deferred costs + Accruals and deferred income
- e. current assets + Long-term liabilities

**Tasks**

**Please, type Your decision of each task. Every task with correct answer is evaluated by 6 points)**

### Task 1

**what item of the balance sheet contains:**

- issued shares – E - owner capital
- repurchased shares – E -treasure stock
- issued bonds - L
- bought shares - A– other financial investment
- bought bonds - A – other financial investment
- received notes – A – account receivable
- issued notes – L – account payable
- financial leasing – L – long term liability

### Task 2

**Determine, which type of activity (Operating, Financing, Investing) are the following operations:**

- Company paid dividends to shareholders – F
- Company bought shares of another firm - I
- Company produced goods - O
- Company attracted bank credit - F
- Company paid back bank credit - F
- Company paid salary to workers - O
- Company opened the deposit account in the bank - I
- Company issued shares – F
- Company received dividends - I
- Company bought new building - I
- Company bought raw materials - O

### Task 3:

**what kind of changes in balance sheet cause next business operations:**

**Balance sheet:**

Assets	Equity+Liabilities=Total Capital
1. Company issued and sold bonds 18000	
Cash + 18000	Liabilities+18000
2. Company bought current financial investments 4600	
Cash – 4600 Short term financial investment + 4600	
3. Company returned the long-term bank credit 25000	
- Cash 25 000	- Long term bank credit 25000

#### Task 4

Enterprise's property is 25000, accumulated depreciation is 50% from the Fixed assets original value, raw materials 1000, cash liquidity 0,6, finished product 1200, incomplete production is 80% from finished product, Accounts receivable 1000, cash?, autonomy 60%, Long-term bank credit 560, 40% of the Current liabilities is Short-term bank credit. **Form the simplified balance sheet, find the Fixed assets original value.**

#### Task 5

Company attracted bank credit in amount 20000 for 4 years with annual interest rate 13%. **Calculate cash outflows, that company has to pay to the bank each year and define total amount of financial costs.**

$$20\ 000 / 4 = 5\ 000 + (20\ 000 * 0,13) = 5000 + 2600 = 7600$$

$$5000 + (20\ 000 - 5\ 000) * 0,13 = 5000 + 1950 = 6\ 950$$

$$5000 + (15\ 000 - 5\ 000) * 0,13 = 5\ 000 + 1300 = 6\ 300$$

$$5000 + (10\ 000 - 5000) * 0,13 = 5000 + 650 = 5650$$

The total amount of financial will be 6 500.