FINAP test   Name:

1. Based on data from the balance sheet and the profit/loss statement, calculate the values of selected ratios.
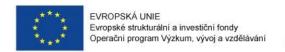
Balance statement (in 1000 €)   **Profit/loss statement (in 1000 €)**

Item	2016	Item	2016
Total assets	143 196	Sales of goods	200
Fixed assets	76 885	Costs of goods sold	150
Tangible fixed assets	76 885	Sale margin	50
Current assets	66 311	Production	80 000
Inventories	25 000	Consumption from production	40 000
Short-term receivables	35 000	Value added	40 050
Cash & Bank accounts	6311	Staff costs	20 000
Equity & liabilities	143 196	Taxes and fees	1 000
Equity	105 697	Depreciation	12 862
Subscribed capital	60 000	Proceeds on sale of fixed assets	1 200
Retained profit	42 345	Net book value of fixed assets sold	1 000
Net profit	3 352	Profit/loss from operating activities	6 388
Liabilities	37 500	Interest income	0
Long-term liabilities	22 500	Interest expense	2 250
Bank credits	22 500	Profit/loss from financial activities	-2 250
Short-term liabilities	15 000	Income tax	786
		Profit/loss after tax	3 352

a) Net profit margin

b) Total assets turnover

c) Quick ratio

d) Interest coverage ratio

EVROPSKÁ UNIE
Evropské strukturální a investiční fondy
Operační program Výzkum, vývoj a vzdělávání

MINISTERSTVO ŠKOLSTVÍ,
MLÁDEŽE A TĚLOVÝCHOVY

Stránka 1 z 3

2. A company manufactures wooden europallets in 2 facilities. Calculate unit costs at the company-wide level and

a) evaluate their development both relative and absolute;

b) express the influence of a change in the structure of production on average unit costs (absolute and relative);

c) express the impact of changes in unit costs in each facility on average unit costs (absolute and relative).

Facility	Total cost [CZK]		Production [pc]		
	January	February	January	February	
1	50,000	38,000	500	400	
2	45,000	60,000	500	600	

3. Explain the impact of changes in return on sales, assets turnover and equity multiplier on absolute change in return on equity using the functional method.

	2019	2020	
Profit			
Return on sales	0.2	0.15	
Assets turnover	1	0.8	
Equity multiplier	1	1.5	

4. Theory

a) Describe the types of hierarchical systems of indicator.

b) Explain the principle of cross-validation of the reliability of classification models.

c) Define the nominal, ordinal, metric, and cardinal indicators + examples.