MASTER’S DEGREE EXAMINATION
Study major: Corporate Finance Management

1. Discuss the concept and the definitions of risk.
2. Show the difference between risk and uncertainty, using features of both terms for this purpose.
3. Describe the risk culture of an organisation and its impact on the risk management process.
4. Enumerate and characterise the features of risk management process.
5. Enumerate and characterise the stages of risk management process.
6. Discuss the differences between the so-called “silo” risk management and enterprise risk management.
7. Categorise risk types according to two independently selected criteria.
8. Select two types of risk, characterise their sources and describe possible modes of mitigation.
9. Describe exposure to risk and illustrate it with the risk matrix (map).
10. Characterise the NPV method in absolute efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
11. Characterise the IRR method in absolute efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
12. Describe the causes for lack of compliance as to the selection of the most profitable investment project between the NPV and the IRR method in the relative project efficiency calculus.
13. Characterise the advantages and disadvantages of financing a company with capital deriving from the issue of bonds.
14. Characterise the NPVR method in relative efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
15. Characterise the EPR method in relative efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
16. Compare the two formulas of investment project performance: corporate finance and project finance.
17. Characterise the sensitivity analysis method in absolute efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
18. Characterise the scenario analysis method in absolute efficiency calculus of investment projects (premises, algorithms, interpretation, decision criterion).
19. Present and discuss the basic indices of financial liquidity.
20. List the condition (conditions) for maximisation of profit and discuss a company's production decision in a short- and long-term perspective.
21. What is price and income elasticity of demand? Show the use of demand elasticity for decision-making by a company.
22. Using the isoquants and uniform cost lines, discuss the selection of a production technique by a company.
23. Characterise and sketch the company’s balance in perfect competition in a long- and short-term perspective.
24. Characterise and sketch the enterprise balance in monopolistic competition in a long- and short-term perspective.

25. Characterise and present equilibrium of a typical monopoly on a sketch. What is a natural monopoly? Illustrate the natural monopoly on a sketch.
26. Discuss the concept of the deadweight loss. Indicate the deadweight loss on account of introduction of an indirect tax on the market and the deadweight loss of monopoly on the sketch.
27. Please discuss the "prisoner's dilemma" game applied to oligopoly and Nash balance.
28. Compare Cournot and Stackelberg oligopoly models.
29. Using the concept of expected utility, describe decision making in the conditions of risk (for various attitudes to risk). Make use of decision-making trees.
30. Describe the impact of external determinants (factors) on the company's financial decisions.
31. Characterise the role of financial analysis in decision-making processes of a company.
32. Present the impact of monetary policy of the Central Bank on the company's finances.
33. Characterise the nature, the role and the elements of financial planning in a company.
34. Present the impact of capital structure on the company's financial liquidity.
35. Enumerate the instruments for managing a company's financial liquidity and characterise one of them.
36. Characterise the modes of managing funds by a company.
37. Describe the principles of financial leverage and its impact on the company's financial liquidity.
38. Present classification of costs in managerial accounting.
39. Characterise the modes of rational management of receivables in a company.
40. Characterise the aggressive and the conservative policy of managing net working capital.
41. Present the mode of use of the GARCH model to forecast variances.
42. Characterise the Monte Carlo method and present the areas of its application in the company's finances.
43. Discuss the significance of Cholesky decomposition in the building of investment portfolio.
44. Characterise the maximum likelihood method and justify the necessity of its use in the GARCH model during a variability analysis.
45. Describe the significance and the types of crowd-funding in a company's development.
46. Present the Value at Risk method and its use to designate a portfolio of assets.
47. Describe the use of the regression analysis in assessing Beta from the CAPM.
48. Characterise the role of financial sector in promoting sustainable development.
49. Characterise the impact of ESG idea on the operational, financial and investment activities of companies.
50. Characterise "green financing" and financial instruments that can be used in this approach.
51. Present and discuss the basic indices of operational efficiency.
52. Characterise socially responsible investing.
53. Explain the concept, purpose, and importance of the EU Taxonomy from a corporate perspective.
54. Characterise the concept of ESG rating, compare it with credit rating.
55. Characterise the issue of unethical actions within the scope of preparation of financial statements and provide examples.

56. Discuss corporate crimes and scandals, “white collar crimes” and provide examples and ethical aspects.
57. Discuss the concept of corporate social responsibility (CSR).
58. Discuss the phenomenon of the grey zone in economy and present its causes, forms of occurrence and social and economic effects.
59. Discuss the structure and the cost of capital in a company.
60. Characterise the concept of ratio analysis.
61. Characterise operating and financial lease.
62. Discuss the definition and the basic functions of factoring.
63. Describe the process of high risk capital investments.
64. Characterise the impact of financing with high risk capital on the company’s development.
65. Compare bank credit and lease as sources of company financing.
66. Characterise personal and property securities of bank credit and offer examples.
67. Characterise the advantages and the disadvantages of the IPO process.
68. Enumerate the tools of dividend policy and characterise one of them.
69. Describe the methods of valuation used for the needs of financial reporting, their advantages and disadvantages.
70. Present the significance of the International Financial Reporting Standards in the process of communication among companies whose securities are listed on the regulated markets of the European Union and the investors.
71. Characterise information that is provided by financial statements (balance sheet, profit and loss account, cash flow report) and the cognitive restrictions of such information.
72. Describe the matching principle of revenues and costs of basic operation of a company in financial reporting.
73. Characterise the cost of production as the basis for valuation of products in financial accounting.
74. Compare financial accounting and managerial accounting (similarities, differences, mutual relations).
75. Describe the premises and the scope of the cost-volume-profit analysis.
76. Characterise the essence, the methods of creation, the constituent elements and the principles of control of a master budget.
77. Characterise the role of a capital market in financing a company's development at the early stage of its operation.
78. Describe the significance and the role of business angels in company financing.
79. Show the differences between stock exchange financing and procurement of a Venture Capital fund.
80. Show the significance of investor relations in value building.
81. Discuss the significance of financial analysis in the assessment of a company’s standing.
82. Enumerate and characterise the accounting methods of enterprise valuation.
83. Discuss income-based methods of enterprise valuation.
84. Indicate the advantages and disadvantages of the DCF method of enterprise valuation.
85. Present the comparative methods of enterprise valuation.
86. Present the role of economic profit in the company's financial analysis.
87. Present and discuss the basic debt indices.
88. Present and discuss the basic earning capacity and profitability indices.
89. Characterise Du Pont’s model.

90. Characterise the capital market indices.
91. Present the essence and discuss the basic features of evaluation models of bankruptcy risk.
92. Enumerate the goals of an audit of financial statements.
93. Discuss the role of controlling (managerial accounting) in enterprise management.
94. Characterise the essence of Balanced Scorecard and its main tasks.
95. Present the mechanism of translating strategy to action with the use of Balanced Scorecard.
96. Describe the perspectives of Balanced Scorecard and the role of a strategy map.
97. Enumerate and discuss the disadvantages of traditional budgeting.
98. Discuss the mechanism of budget preparation with the use of activity-based budgeting.
99. Discuss the structures of target costing and its significance for efficient cost management of new products.
100. Describe the significance of value engineering in adequate adjustment of new products to customer needs.

Literature:

1. Brealey R.A., Myers S.C., Allen F., Principles of Corporate Finance, New York: McGraw-Hill Education, 2017.
2. Copeland T., Koller T., Murrin J., Valuation: measuring and managing the value of companies, New York, N.Y.: John Wiley & Sons, 2000.
3. Damodaran A., Applied corporate finance, Hoboken: John Wiley & Sons, 2011.
4. Krysiak, Z., Financial engineering in the project development: modeling decisions Warszawa: Warsaw School of Economics, 2015.
5. Pike R., Neale B., Corporate finance and investment. Decisions and strategies. London: Prentice Hall Europe, 1999, 2006.
6. Samuelson, W.F., Marks S.G., Managerial economics, Hoboken: John Wiley & Sons, 2010.
7. Schoenmaker D., Schramade W., Principles of Sustainable Finance, Oxford University Press, Oxford 2019.