

**APPROVED**  
**at a meeting of the Academic**  
**Council of**  
**NJSC «KazNU named after al-**  
**Farabi»**  
**Protocol № 11 from 23. 05. 2025 y.**

**The program of the entrance exam for applicants to the PhD**  
**for the group of educational programs**  
**D074 - «Finance, banking and insurance»**

**I. General provisions**

1. The program was drawn up in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 «On Approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate Education» (hereinafter referred to as the Model Rules).

2. The entrance exam for doctoral studies consists of writing an essay, an exam in the profile of a group of educational programs and an interview.

Блок	Баллы
1. Interview	30
2. Essay	20
3. Exam according to the profile of the group of the educational program	50
Total admission score	100/75

3. The duration of the entrance exam is 3 hours 10 minutes, during which the applicant writes an essay and answers the electronic examination ticket. The interview is conducted at the university premises before the entrance exam.

**II. Procedure for the entrance examination**

1. Applicants for doctoral studies in the group of educational programs D074 – «Finance, banking and insurance» write a problematic / thematic essay. The volume of the essay is at least 250 words.

The purpose of the essay is to determine the level of analytical and creative abilities, expressed in the ability to build one's own argumentation based on theoretical knowledge, social and personal experience.

Types of essays:

- motivational essay revealing the motivation for research activities;
- scientific-analytical essay justifying the relevance and methodology of the planned research;

- problem/thematic essay reflecting various aspects of scientific knowledge in the subject area.

2. The electronic examination card consists of 3 questions

**Topics for exam preparation according to the profile of the group of the educational program:**

**Discipline "Theory of Finance"**

Topic 1. Finance and its role in social reproduction

Subtopics 1.1. Finance as an economic category

Subtopics 1.2. The role of finance in social development and the main features of finance

Subtopics 1.3. Functions of finance, the content of two concepts of finance

Subtopics 1.4. Specific features, nature and necessity of finance

Subtopics 1.5. Subject, method, objects of study in financial science

Topic 2. Financial system and its structure

Subtopics 2.1. The concept of the financial system, its composition and scheme

Subtopics 2.2. Principles of organization of the financial system

Subtopics 2.3. Tasks of the financial system of the Republic of Kazakhstan in modern conditions

Subtopics 2.4. The relationship of finance with other economic categories

Subtopics 2.5. Organization of financial management.

Topic 3. Content and directions of financial policy, essence of the financial mechanism

Subtopics 3.1. Concept of financial policy, its tasks, goals and principles.

Subtopics 3.2. Financial mechanism: content and structure

Subtopics 3.3. Financial mechanism in a market economy

Subtopics 3.4. Financial planning and forecasting.

Subtopics 3.5. Legal support of financial relations

Topic 4. Finances of business entities

Subtopics 4.1. Fundamentals of functioning of finances of business entities

Subtopics 4.2. Finances of business entities operating on a commercial basis

Subtopics 4.3. Main features of finances of business entities

Subtopics 4.4. Features of finances of business entities of the main organizational and legal forms

Subtopics 4.5. Financial funds of business entities

Topic 5. Public finances and their components

Subtopics 5.1. The concept and composition of public finances

Subtopics 5.2. The main elements of public finances

Subtopics 5.3. The history of state and municipal finances

Subtopics 5.4. Subjects of public finances

Subtopics 5.5. Public finances of the Republic of Kazakhstan: current tasks

Topic 6. The relationship between finances and taxes

Subtopics 6.1. Public revenue management

Subtopics 6.2. The role and place of taxes in modern economic relations.

Subtopics 6.3. Indirect taxes and their characteristics

Subtopics 6.4. The composition and structure of the taxation system

Subtopics 6.5. Features of the application of corporate tax in various areas of business.

Topic 7. Tax policy of the Republic of Kazakhstan

Subtopics 7.1. Classification of taxes and the organization of their collection.

Subtopics 7.2. The tax system of the Republic of Kazakhstan

Subtopics 7.3. Features of the functioning of the main types of taxes in Kazakhstan

Subtopics 7.4. Tax shifting and tax evasion

Subtopics 7.5. Tax policy of Kazakhstan in the context of modernization

Topic 8. State budget and budget system

Subtopics 8.1. Economic essence and role of the state budget

Subtopics 8.2. Composition of revenues and expenditures of the state budget

Subtopics 8.3. Budget system, its composition and characteristics of links

Subtopics 8.4. State budget as the main financial plan of the state

Subtopics 8.5. Problems of interbudgetary relations in the Republic of Kazakhstan

Topic 9. Off-budget funds and their role in the financial system

Subtopics 9.1. Off-budget funds: purpose, tasks, types

Subtopics 9.2. Sources of formation of production assets and their growth

Subtopics 9.3. The nature, role and place of off-budget funds

Subtopics 9.4. Unified accumulative pension fund

Subtopics 9.5. State social insurance fund and compulsory medical insurance fund;

Topic 10. State credit, state debt and their features

Subtopics 10.1. Functions and forms of state credit

Subtopics 10.2. Economic nature of state credit and its types

Subtopics 10.3. State debt management

Subtopics 10.4. Causes of state debt

Subtopics 10.5. Repayment and servicing of state debt

Topic 11. Nature of insurance and its relationship with finance

Subtopics 11.1. Economic nature of insurance, relationship between insurance and finance

Subtopics 11.2. Insurance market: nature, current state and development directions

Subtopics 11.3. Financial aspects of social insurance

Subtopics 11.4. Property and personal insurance

Subtopics 11.5. The system of insurance relations

Topic 12. Financial regulation of the economy by the state

Subtopics 12.1. The essence of financial regulation of the economy

Subtopics 12.2. Methods of state financial regulation of the economy and their classification

Subtopics 12.3. The concept and necessity of financial regulation

Subtopics 12.4. Elements of the financial regulation system

Subtopics 12.5. The role of state financial regulation in a market economy

Topic 13. The financial market and its structural elements

Subtopics 13.1. The influence of international financial organizations on the development of the global financial market

Subtopics 13.2. Problems and prospects for the development of international currency markets

Subtopics 13.3. Improving the efficiency of institutional investors in the financial market

Subtopics 13.4. Trends in the development of the global financial market

Subtopics 13.5. Conditions and procedure for the issue and circulation of government securities in the financial markets

Topic 14. Household finances

Subtopics 14.1. The nature and functions of household finances

Subtopics 14.2. Financial resources and household budget

Subtopics 14.3. Household cash income and its composition

Subtopics 14.4. Household cash expenses and their classification

Subtopics 14.5. Household finances: features of functioning in Kazakhstan

Topic 15. The relationship between finance and inflation

Subtopics 15.1. Types, kinds of inflation

Subtopics 15.2. Inflation and anti-inflation policy of the state

Subtopics 15.3. Characteristics of inflation and its impact

Subtopics 15.4. The relationship between inflation and finance, causes and consequences

Subtopics 15.5. Socio-economic consequences of inflation

### **Discipline "International monetary and financial relations"**

Topic 1. International monetary and financial relations and the world monetary system

Subtopics 1.1. World monetary system

Subtopics 1.2. World monetary commodity and international liquidity

Subtopics 1.3. The concept of currency relations and the currency system.

Subtopics 1.4. The concept and structure of the international monetary system

Subtopics 1.5. Fundamentals of the organization and features of international monetary and financial relations (IMFR) in the system of world financial coordinates.

Topic 2. Evolution of the world monetary system

Subtopics 2.1. The Genoa monetary system.

Subtopics 2.2. The Bretton Woods monetary system.

Subtopics 2.3. Jamaican Monetary System

Subtopics 2.4. European Monetary System.

Subtopics 2.5. Regionalization and Integration of Currency Systems

Topic 3. Determining International Currency Liquidity of a State

Subtopics 3.1. Exchange Rate and Factors Affecting Its Formation.

Subtopics 3.2. Exchange Rate Regulation Theories.

Subtopics 3.3. International Currency Liquidity Indicators

Subtopics 3.4. The Amount of a Country's International Reserve Assets

Subtopics 3.5. Currency Conditions

#### Topic 4. Balance of Payments, Its Structure

Subtopics 4.1. Balance of Payments as an Economic Category and an Instrument of Economic Analysis.

Subtopics 4.2. Balance of Payments Indicators and Methods of Classifying Its Items.

Subtopics 4.3. Methods of Measuring the Balance of Payments.

Subtopics 4.4. Factors Affecting the Balance of Payments.

Subtopics 4.5. Modern Methods of Balance of Payments Analysis.

#### Topic 5. Currency Regulation, Currency Risks and Their Insurance

Subtopics 5.1. Market and State Regulation of Currency Relations.

Subtopics 5.2. Forms of Currency Policy.

Subtopics 5.3. Currency Restrictions.

Subtopics 5.4. Types of Currency Risks and Their Characteristics.

Subtopics 5.5. Currency Risk Insurance.

#### Topic 6. Regulation of International Currency Relations.

Subtopics 6.1. Risks of International Currency Relations and Currency Crises.

Subtopics 6.2. State Currency Regulation

Subtopics 6.3. Market Currency Regulation

Subtopics 6.4. Interstate and Supranational Currency and Economic Regulation

Subtopics 6.5. Currency regulation: essence, significance, factors and development trends

#### Topic 7. Currency policy

Subtopics 7.1. Currency policy: concept and forms

Subtopics 7.2. National currency policy

Subtopics 7.3. Main directions of currency policy

Subtopics 7.4. Structural currency policy

Subtopics 7.5. Current currency policy

#### Topic 8. International settlements

Subtopics 8.1. Forms of settlement. Forms of payment.

Subtopics 8.2. Collection form. Letter of credit form.

Subtopics 8.3. Settlements on an open account. Settlements in the form of an advance.

Subtopics 8.4. Settlements using bills of exchange and checks. Bank guarantees.

Subtopics 8.5. Currency clearings.

#### Topic 9. Classification of international banking services

Subtopics 9.1. The nature of international relations of commercial banks

Subtopics 9.2. The main types of international banking operations

Subtopics 9.3. The principles of international bank loans

Subtopics 9.4. International correspondent accounts of the "loro" type

Subtopics 9.5. International correspondent accounts of the "nostro" type

#### Topic 10. International credit relations

Subtopics 10.1. International credit.

Subtopics 10.2. Credit as an economic category.

Subtopics 10.3. Forms of international credit.

Subtopics 10.4. Monetary, financial and payment terms of international credit.

Subtopics 10.5. State regulation of international credit relations.

Topic 11. The global financial market, its segmentation  
 Subtopics 11.1. International financial flows and global financial centers.  
 Subtopics 11.2. The global credit and financial market.  
 Subtopics 11.3. Euromarket.  
 Subtopics 11.4. Information technologies in international currency, settlement and credit and financial transactions.  
 Subtopics 11.5. SWIFT system.  
 Topic 12. World currency market and currency transactions  
 Subtopics 12.1. Classification of currency markets. Functions of VR.  
 Subtopics 12.2. Exchange rate quotation.  
 Subtopics 12.3. Currency positions of banks. Banknote market.  
 Subtopics 12.4. Spot market. Forward market.  
 Subtopics 12.5. Futures market. Options market.  
 Topic 13. International credit and stock market. Euromarket  
 Subtopics 13.1. Principles and functions of international credit.  
 Subtopics 13.2. Forms and types of international credit.  
 Subtopics 13.3. Currency, financial and payment elements of international credit.  
 Subtopics 13.4. Security of international credit.  
 Subtopics 13.5. Regulation of international credit relations.  
 Topic 14. World gold market  
 Subtopics 14.1. The role of gold in international currency relations.  
 Subtopics 14.2. International gold market.  
 Subtopics 14.3. Gold market: structure, features of evolution, participants.  
 Subtopics 14.4. Dynamics of world gold prices  
 Subtopics 14.5. Gold consumption in the world  
 Topic 15. International monetary and financial organizations, their activities and role in the global monetary system  
 Subtopics 15.1. General characteristics of international financial institutions.  
 Subtopics 15.2. International Monetary Fund. IBRD. European Bank for Reconstruction and Development.  
 Subtopics 15.3. Regional monetary and financial organizations of the EU.  
 Subtopics 15.4. International Bank for Economic Cooperation.  
 Subtopics 15.5. International Investment Bank.

### **Discipline "Introduction to Islamic Finance"**

Topic 1. The nature and specificity of ethical (Islamic) finance  
 Subtopics 1.1. Dynamics of development of the Islamic financial sector in the modern global economy  
 Subtopics 1.2. Possibilities of economic integration of Muslim countries.  
 Subtopics 1.3. Informal markets of Islamic financial services  
 Subtopics 1.4. Islamic financial infrastructure.  
 Subtopics 1.5. Development of Ethical (Islamic) Financial Infrastructure  
 Topic 2. Profit and Loss Sharing Contracts. Mudaraba  
 Subtopics 2.1. Features and Applications of Profit and Loss Sharing Contracts.

Mudaraba

Subtopics 2.2. Comparison of Business Processes of Mudaraba and Unlimited Mudaraba Transactions

Subtopics 2.3. The Essence of the Unlimited Mudaraba Contract

Subtopics 2.4. The Role of the Sharia Council in the Development of Islamic Finance in the World

Subtopics 2.5. Principles of Islamic Equity Financing

Topic 3. Profit and Loss Sharing Contracts. Musharaka

Subtopics 3.1. Differences between Mudaraba and Musharaka contracts

Subtopics 3.2. The Concept of Musharaka

Subtopics 3.3. Specifics of Formation of Capital of an Islamic Bank.

Subtopics 3.4. Basic rules of musharaka

Subtopics 3.5. Management of musharaka transaction

Topic 4. Debt financing instruments. Murabaha. Ijarah

Subtopics 4.1. Difference between Murabaha transaction and traditional consumer lending

Subtopics 4.2. Characteristics of Ijarah transaction and their features

Subtopics 4.3. Murabaha transaction scheme and their features

Subtopics 4.4. Interpretations of Murabaha agreement

Subtopics 4.5. Interpretations of Ijarah agreement

Topic 5. Debt financing instruments. Istisna.Salam

Subtopics 5.1. Similarity of instruments such as istisna and salam

Subtopics 5.2. Possibilities of application of Salam and Istisna transactions in Kazakhstan practice

Subtopics 5.3. Functioning of Istisna contract

Subtopics 5.4. Key Features of Salam and Parallel Salam Transactions

Subtopics 5.5. Salam Transaction Scheme and Its Features

Topic 6. Activities of a Modern Islamic Bank

Subtopics 6.1. The Essence and Specifics of the Islamic Banking System.

Subtopics 6.2. Activities of a Modern Islamic Bank

Subtopics 6.3. Specifics of Forming Capital of an Islamic Bank.

Subtopics 6.4. Main Types of Islamic Banking Products

Subtopics 6.5. Rights and Obligations of Transaction Parties

Topic 7. Islamic Securities. Sukuk

Subtopics 7.1. The Concept and Types of Sukuk.

Subtopics 7.2. The World Sukuk Market

Subtopics 7.3. Differences between Sukuk and Traditional Bonds

Subtopics 7.4. Sukuk Structure

Subtopics 7.5. Classification of Sukuk

Topic 8. Functioning of Islamic Finance in the Global Economic System

Subtopics 8.1. The Main Difference between the Conventional Market and Islamic Financial Systems

Subtopics 8.2. The Main Principles of Ethical Finance

Subtopics 8.3. The Current State of the Islamic Financial System

Subtopics 8.4. The Institutional Structure of the Islamic Financial System

Subtopics 8.5. The Islamic Economic Model and Modernity

Topic 9. Islamic Insurance. Takaful

Subtopics 9.1. Models of Participant Fund Management in Takaful

Subtopics 9.2. The Legal and Organizational Foundations of Takaful

Subtopics 9.3. The Role of the Takaful Operator in Islamic Insurance

Subtopics 9.4. The Advantages and Disadvantages of Islamic and Conventional Insurance

Subtopics 9.5. Investment Methods for Islamic Insurers

Topic 10. Islamic Banking Products

Subtopics 10.1. Islamic banking products: mechanisms of operation and differences from traditional banking instruments.

Subtopics 10.2. The problem of hidden interest in Islamic banking products.

Subtopics 10.3. Stages of implementation of Islamic banking products (from offering individual financial products to creating full-fledged Islamic banks).

Subtopics 10.4. Forms offered by the Islamic banking system

Subtopics 10.5. Main differences from traditional banking products

Topic 11. Islamic social finance (Waqf, Zakat)

Subtopics 11.1. Concept and types of taxes established by Sharia

Subtopics 11.2. Categories of property from which Zakat is paid

Subtopics 11.3. Purposes for which Zakat is spent (8 categories of recipients)

Subtopics 11.4. Modern fatwas on Zakat

Subtopics 11.5. History of Waqf in Islam

Topic 12. Islamic banking

Subtopics 12.1. Risk management in Islamic banking

Subtopics 12.2. Islamic banking and its development in different countries.

Subtopics 12.3. Essence and specificity of the Islamic banking system.

Subtopics 12.4. Prospects for the development of Islamic banking in Kazakhstan.

Subtopics 12.5. Risk management in Islamic banks, basic concepts of banking risk

Topic 13. Development of Islamic finance in the world

Subtopics 13.1. Principles and methods of functioning of Islamic financial institutions in Muslim countries

Subtopics 13.2. Foreign experience of Islamic finance

Subtopics 13.3. Functioning of Islamic financial institutions in non-Muslim countries.

Subtopics 13.4. Reasons for the growing interest in Islamic finance

Subtopics 13.5. Monetary policy in the context of the Islamic financial system

Topic 14. Regulation of the activities of Islamic institutions

Subtopics 14.1. The role of supervisory authorities. Ensuring prudential control.

Subtopics 14.2. The place and role of Islamic financial institutions in risk management in a modern market economy

Subtopics 14.3. Organizational structure and management bodies of the IDB

Subtopics 14.4. Problems and Prospects of Development of the Islamic Development Bank in Kazakhstan

Subtopics 14.5. Islamic Investment Funds and Participants of the Islamic Financial Market.

Topic 15. Development of Islamic Finance in Kazakhstan



Subtopics 15.1. Prospects for Islamic Finance in Kazakhstan

Subtopics 15.2. Roadmap for the Development of Islamic Finance in Kazakhstan until 2025.

Subtopics 15.3. Legislative Framework for Regulating Islamic Finance in Kazakhstan.

Subtopics 15.4. Critical Assessment of the Development of Islamic Finance in Kazakhstan

Subtopics 15.5. Formation of the Legal Framework for Islamic Finance

### **III List of references**

Main:

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Additional:

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