Al-Faraby Kazakh National University

Higher School of Economics and Business

Department of Finance and Accounting

**PROGRAMM AND**

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| **MOTHDOLOGICAL RECOMMENDATIONS FOR RUNNING OF FINAL EXAM IN DISCIPLINE** **Methods of Scientific Research****doctorate program for specialty «8D04110-Finance»** |

Almaty 2021 г.

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|  | *(Ф.И.О., ученая степень, ученое звание, должность)* |

The program and methodological recommendations for the final exam in the discipline "**Methods of Scientific Research**" were considered and approved at a meeting of the department "Finance and Accounting"

Protocol № 13 from «24 » November 2020

**Introduction**

Based on the results of the study, a final examination in writing is held in 15 weeks at the end. When passing the exam, complete answers to the questions posed are required.

The exam is in the form of a written exam on the Moodle platform.

The exam format is written - essay.

Tickets are generated automatically. Number of questions in tickets - 3 (1 question - 30 points, 2 question - 30 points, 3 question - 40 points).

Highest score - 100

Duration in time - preparation time - 120 minutes.

Exam schedule - according to the schedule in the university system.

Exam control - proctoring, video recording for groups of up to 20 students inclusive. The responsibility for the video recording is with the teacher. Responsibility for the video recording and its preservation for 3 months after the end of the session is on the teacher and the department. During the final exam, video is recorded using the Zoom application. Proctoring technology (English "proctor" - to control the course of the exam) allows you to watch the course of the exam online in real time via a webcam, both for a specialist (full-time proctoring) and for a program that controls the test-taker's desktop, the number of persons in the frame, extraneous sounds or voices and even gaze movements (cyberproctoring). The type of mixed proctoring is often used, which involves watching a video of the exam with the notes of the program, after which it is determined whether violations have actually occurred. Students’ answer will be check for plagiarism.

Topics for which tasks will be composed:

1. Methodological foundations of scientific research

2. Search, collection and processing of the literature

3. The goal and tasks of scientific research. Construction of hypotheses

4. Formation of the steps of the research

5 Research methods and scientific approaches of their application

6 Quantitative methods in scientific research. Part 1

7 Quantitative methods in scientific research. Part 2

8 Mathematical statistical methods of data analysis. Part 1

9 Mathematical statistical methods of data analysis. Part 2

10 Quantitative expert methods

11 Qualitative research methods Part 1

12 Qualitative research methods Part 2

13 Qualitative expert research method

14 Construction of the research results

During the exam, students must be able to:

- demonstrate the acquired knowledge in the main categories of Scientific Research;

- describe an understanding of the general structure of the field of study and the links between theoretical foundations and modern practice of Scientific Research;

- analyze the forms of Scientific Research;

- use knowledge on the most important methods and instruments to conduct Scientific Research.

Program of Exam for Discipline «Methods of Scientific Research»

1. The essence and types of scientific methods.

2. Methods and examples of their use that you plan to carry out related to the topic of your dissertation and research.

3. The concept of scientific research.

4. The structure of scientific research.

5. The main forms of scientific research.

6. The concept and essence of scientific projects - forms, tasks and structure.

7. Basic forms and methods of research

8. The structure of the scientific work of your dissertation and research.

9. The structure of a scientific dissertation, what scientific problems do you plan to consider in your future dissertation.

10. The purpose and objectives that you plan to consider in your future thesis.

11. A sample introduction to your future article.

12. Brief description and structure of the scientific article

13. Features and application of quantitative research methods.

14. Features and application of quantitative expert research methods.

15. Important evidence and their forms for proving a scientific hypothesis.

16. The novelty and relevance of scientific papers provide samples on the topic of your dissertation.

17. Features and application of mathematical and statistical research methods.

18. Features and application of qualitative research methods.

19. Analysis of scientific problems on the topic of your dissertation and research.

20. Review of reference literature on the topic of your dissertation and research.

21. Features and application of qualitative expert research methods.

22. Swot analysis on the topic of your dissertation and research.

23. Interconnection of goals, objectives and research methods.

24. Drawing up conclusions based on the research results.

25. Object and subject of research on the topic of your dissertation.

26. Analysis of reports and articles of international organizations related to the topic of your research (OECD, UN, World Bank, etc.).

27. Stages of research work that you plan to implement during your studies at the university.

28. How do you plan to experience practical testing and implementation of research results.

29. A sample of a scientific article on the topic of your dissertation and research.

30. Samples of scientific opinions and proposals on the topic of your dissertation and research.

31. Analysis of scientific information and sources that you come across in your research work.

32. Forms and samples of links, information sources and analytical information that you have already collected for the study, describe their content and importance for the study.

33. The value of substantiation and argumentation of the relevance of the research topic.

**Recommended references for preparation to final exam:**

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8. The Law of the Republic of Kazakhstan “On Banks and Banking in the Republic of Kazakhstan”.
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10. The state program of industrial and innovative development of the Republic of Kazakhstan, approved by Decree of the President of the Republic of Kazakhstan No. 874.
11. The Law of the Republic of Kazakhstan “On Currency Regulation”
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15. 18. Report on the activities of the Kazakhstan Stock Exchange for 2014.
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22. Economic Review of the National Bank of the Republic of Kazakhstan
23. The journal "Bulletin of KazNU named after al-Farabi (economic series)"
24. The magazine "Kazakhstan Securities Market"
25. www.nationalbank.kz.
26. www.kase.kz