

ABYLKAS SAGINOV KARAGANDA TECHNICAL UNIVERSITY

Academic Council

Protocol № 11

from "30" "04" 2025 y.



PROGRAM

The ENTRANCE EXAM

for admission to the doctoral program

Educational program (8D07201 – Geology and exploration of mineral deposits)

Department: GEMD

Compiled by:

associate professor, PhD Kopobayeva A.N.

The entrance exam program was developed by: Doctor PhD Kopobaeva A.N.

Discussed at a meeting of the Department of Geology and exploration of mineral deposits

Protocol №16 from « 31 » march 2025

Head of Department _____ Isataeva F.M. " ____ " _____ 2025

(signature)

The main topics submitted for the entrance exams

1. Topic title: Geotectonic processes of the Earth's crust

1.1. List of topics:

1.1.1 Metallogeny of various geodynamic environments;

1.1.2 Basic elements of the Earth's crust structures;

1.1.3 Various geodynamic processes in the Earth's crust.

1.2 Recommended literature

Khain V.E., Lomize M.G. Geotectonics with the basics of geodynamics. Textbook-2nd ed., and supplement-Moscow: KDU, 2005. - 560 p.

2 Topic title: MD Exploration Methods

2.1 List of topics:

2.1.1 Fundamentals of subsurface use;

2.1.2 MD search methods;

2.1.3 Testing;

2.1.4 Exploration stages of MD;

2.1 Recommended literature

Avdonin V.V. Geology and Exploration of MPI – M: Academy, 2011.

3 Topic title: Geology of Kazakhstan

3.1 List of topics

3.1.1 The main tectonic structures of Kazakhstan;

3.1.2 Minerals from various regions of Kazakhstan;

3.1.3 Geosynclinal belts.

3.2 Recommended literature

Geological structure of Kazakhstan / Bekzhanov G.R., Koshkin V.Ya., Nikitchenko I.I. et al. - Almaty: Academy of Mineral Resources of the Republic of Kazakhstan, 2000.

