

**JSC "ALT UNIVERSITY NAMED AFTER
MUKHAMEDZHAN TYNYSHPAEV"**

Department of "Construction Engineering"

APPROVE
Chairman of the ALT AC
S. Amirgalieva
Decision of the Academic Council of ALT
« 30 » 2024 year (protocol № 8)



**Entrance exam
for doctoral studies in groups of educational programs
"D310-Transport facilities"**

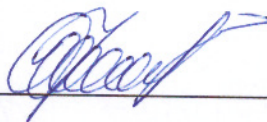
Interview questions

1. Mathematical methods of planning and conducting research of transport facilities.
2. Constructions of modern transport facilities.
3. Culverts on roads and railways.
4. Construction of tunnels and subways.
5. Construction of reinforced concrete superstructures.
6. The device of superstructures of metal structures.
7. The structure of the quality control system of road construction works in the Republic of Kazakhstan.
8. The main types of work performed during the repair of the roadbed and drainage system.
9. Foundations on weak clay water-saturated soils.
10. Methodology for assessing the material consumption of the machine and its technical and economic parameters.
11. Reconstruction of bridges and pipes using modern technology.
12. Causes and types of deformation of the roadbed.
13. Classification of road clothes and their elements.
14. Measuring and recording equipment used in experimental studies.
15. Types of artificial structures on highways.
16. Methods of excavation and embankment construction.
17. Basic principles of longitudinal profile design.
18. Features of construction of transport facilities in seismic areas.

19. Features of the calculation of the foundations of buildings on saline soils.
20. Features of construction of transport facilities in difficult climatic conditions: in areas of deserts and semi-deserts.

The program of the entrance exam was discussed and received a positive decision at the meeting of the Department of «Construction Engineering», Protocol No10 of 23 Mai, 2024.

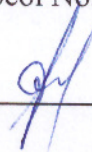
Head of the Department
«Magistral Engineering» _____



K.S. Kulmanov

The program of the entrance exam was reviewed and recommended at the meeting of the Council of the Institute of «Transport Engineering», Protocol No5a of 27 Mai, 2024.

Chairman of the CI «Transport Engineering» _____



Sh.A. Abdreshov