

Specialty 263 Civil Security (Educational Program 263.01 - Labor Protection).

Questions for conversation for international students for admission to the magistracy .

1. The concept - labor protection- OSH. The basic definition.
2. Labor protection- OSH management system definition, purpose, subject, object, efficiency.
3. Functions of the labor protection - OSHmanagement system: planning, forecasting, organization and coordination of works, control, accounting, analysis and evaluation, personnel management. Characteristics of functions. Staff motivation
4. Occupational safety service requirements for employees, number, functions, responsibilities.
5. Occupational injuries: definition, methods of analysis, indicators, causes, areas of prevention.
6. Industrial accident. Signs of accident distribution: related and unrelated to production.
7. Trauma, definition, classification of injuries.
8. Production factors: harmful production factor, dangerous production factor.
9. Classification of harmful and dangerous factors: physical, chemical, biological and psychophysiological.
10. The definition of security. Security is absolute and relative.
11. Danger. Risk - as an assessment of danger.
12. Thermal balance of the human body and the impact of meteorological parameters on human health and well-being.
13. Microclimate of industrial premises: definition, influence of meteorological factors on vital activity and labor productivity.
14. Harmful substances, their classification by the nature of the impact on the human body, the main areas of protection.
15. Ventilation. Classification of ventilation systems and their purpose, the

organization of air exchange in the workroom.

16. Types of industrial lighting, its significance. Sanitary requirements for industrial lighting.

17. The effect of noise on the human body. Lower threshold of perception, threshold of pain. Noise normalization. Control of noise parameters, measuring devices. Methods and means of collective protection.

18. Classification of noise protection methods.

19. Types of vibrations, their parameters and effects on the human body.

20. The impact of electromagnetic fields on human methods of protection against electromagnetic fields.

21. Types and sources of ionizing radiation. General measures and means of protection against ionizing radiation.

22. Types of electrical injuries. The effect of electric current on humans. Factors influencing the consequences of electric shock.

23. Electrical injury, its causes and first aid in case of electric shock.

24. Fire, harmful and dangerous factors in a fire. Fire prevention system. Fire protection system.

25. The concept of fire safety. Purpose and main elements of the fire prevention system. Measures to prevent the formation of a combustible environment.

26. Firefighting measures. Methods and substances used in firefighting.

27. Activity and its safety. Socio-psychological components of activity.

28. Measures to ensure the safety of production equipment. Requirements.

29. Measures to ensure the safety of production processes. Staff requirements.

30. Objects of increased danger. Measures to ensure the safety of high-risk facilities. Requirements for personnel servicing high-risk facilities.

31. Classification of emergencies by nature of origin. Give examples.

32. The concept of protection of the population and territories from emergency situations.

33. Basic principles of protection of the population in emergency situations.