

Документ подписан простой электронной подписью  
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## Assessment tools for midterm assessment

*"Life safety", term 2*

### Curriculum

31.05.01

#### Specialty

General Medicine

#### Form of education

Full-time

#### Designer Department

Life safety

#### Graduate Department

Internal Diseases

### Sample tasks and tests

#### Topics for presentations (creative work):

1. Hurricane, typhoon, cyclone, whirlwind, tornado. Characteristics. Population actions under threat of their emergence.
2. Blizzard. Characteristics. Population actions under threat of its emergence.
3. Wildfire. Characteristics. Population actions in wildfire occurrence, improvised methods of extinguishing the fire.
4. Drought (heat waves). Characteristics. Hyperthermia. Clinic, help, overheating prevention.
5. Nipping frosts. Characteristics. Frostbite and hypothermia prevention, first aid.
6. Earthquakes. Characteristics. Preventive actions. Population actions in earthquake occurrence. Person actions in case of being under the building debris.
7. Tsunami. Characteristics. Tsunami protection methods. Population actions in tsunami occurrence.
8. Volcanic eruptions. Characteristics. Preventive actions.
9. Flood. Characteristics. Protection methods. Population actions under threat of flood emergence.
10. Mudflow. Characteristics. Preventive actions. Population actions under threat of mudflow emergence.
11. Landslides. Characteristics. Preventive actions. Population actions under threat of landslide emergence.
12. Avalanches. Characteristics. Population actions under threat of avalanche. Population actions during an avalanche. Search for victims of an avalanche.
13. Risk and its types.
14. The natural environment and ecological basis of its protection.
15. Human efficiency and its dynamics.
16. Anthropometric characteristics of a person.
17. Physiological characteristics of a person (analyzers).
18. Psychophysical activity of a person.
19. Psychology in the labor safety problem.
20. Industrial psychological conditions.
21. Psychological causes of dangerous situations and manufacture injuries.
22. Human behavior in emergency situations.
23. Manufacture microclimate and its impact on the human body.
24. Chemicals impact on the human body.

25. Constant magnetic fields impact on the human body.
26. Electromagnetic radiation impact on the human body.
27. Electromagnetic field of radio frequency range impact on the human body.
28. Laser radiation impact on the human body.
29. Infrared radiation impact on the human body.
30. Visible area electromagnetic radiation impact on the human body.
31. Hygienic regulation of artificial and natural lighting.
32. Ultraviolet radiation impact on the human body.
33. Ionizing radiation impact on the human body.
34. Sound waves impact on the human body.
35. Vibration impact on the human body.
36. Explosion hazard as a traumatic factor in manufacturing environment.
37. Fire hazard as a factor in manufacturing environment.
38. Electrical hazard in manufacture.
39. Technical methods and human protective equipment.
40. Industrial ventilation.
41. Protective equipment against radio frequency electromagnetic radiation.
42. Protective measures against the infrared radiation action.
43. Protective equipment against ultraviolet radiation.
44. Laser protection.
45. Safety with ionizing radiation.
46. Control and noise protection.
47. Control and vibration protection.
48. Protection against the electric shock danger (electrical injury).
49. Vessels protection under pressure.
50. Analysis of industrial accidents.
51. Sanitary provision for employees.
52. Security of technological processes.

### **Typical questions (tasks) for the Credit:**

1. The concept of the safety of human life. Basic terms and definitions.
2. Classification of dangerous and harmful factors.
3. The system 'Human being – Habitat'.
4. Life safety in the labour process.
5. The risk in human life.
6. Structure of the technosphere.
7. Structural elements of the technosphere from the standpoint of the technosphere as a natural and artificial phenomenon.
8. Types of technosphere zones.
9. Atmospheric air and causes of its pollution.
10. Climatic conditions of life.
11. Harmful gases and vapours.
12. Atmospheric aerosols.
13. Protection against harmful gases, vapours and dust.
14. Noise and vibration.
15. Ionizing radiation.
16. Electromagnetic fields and radiation.

17. Solar radiation.
18. Natural and artificial lighting.
19. Drinking and technical water.
20. Food products.
21. The main causes of domestic and workplace injuries.
22. Transport systems.
23. Energy systems.
24. Heating, gas and water supply.
25. Pressurized hermetic systems.
26. Construction works.
27. Classification of social hazards.
28. Causes of social hazards.
29. Types of social hazards.
30. The concept of technogenic hazards.
31. Mental processes and conditions.
32. Specific mental states.
33. Motivation of activity.
34. Safety Enhancement Methods
35. General information about emergency situations.
36. Classification and causes of natural emergency situations.
37. Emergency situations of anthropogenic origin.
38. The main tasks of emergency response.
39. Stages of emergency situations development.
40. Prediction of emergency situations is possible only on the basis of solving monitoring problems.
41. Prediction of natural disasters, emergency situations of technogenic nature.
42. Methods of protection against emergency situations.
43. General aspects of management.
44. Responsibility for violations.
45. Basics of life safety management.
46. Functions of life safety management.