

## **Test questions for the discipline "Occupational Diseases" for 4th year students of the medical faculty**

1. The concept of occupational diseases, diagnosis, hygienic assessment of conditions and the nature of work. Classes of working conditions.
2. Physicochemical properties of beryllium. Pathogenesis, pathological anatomy, clinical picture of beryllium disease. Treatment, examination of the ability to work.
3. Establishment of the disability group (I, II, III groups). Basis for the definition of disability.
4. Occupational bronchial asthma.
5. Medical and labor expertise and rehabilitation issues in occupational diseases.
6. Chronic dusty bronchitis. Risk factors. Development factors. Pathogenesis. Pathological picture. Development phases.
7. Vibration disease from exposure to local vibration. Pathogenesis. Classification. Treatment and prevention.
8. Deontology. Types of disability (temporary, long-term, permanent).
9. The effect of noise on the body. Pathogenesis. The clinical picture. Diagnostics. Treatment. Examination of working capacity. Prevention.
10. Social, labor and medical rehabilitation of the patient. The tasks of medical and social and labor rehabilitation.
11. Beryllium disease. Pathogenesis. Pathological picture. The clinical picture. Diagnostics. Treatment. Examination of working capacity.
12. Preliminary and periodic medical examinations. Tasks, Basic Requirements. (Order M 302-H).
13. Vibration disease. The main clinical syndromes. Differential diagnosis. Treatment, examination of the ability to work. Prevention.
14. Basic principles of treatment of occupational bronchial asthma. Criteria for determining the ability to work and employment of patients.
15. Methods for the study of peripheral hemodynamics.
16. Silicosis. Pathogenesis. Development theory. Pathological picture (diffuse sclerotic, nodular form).
17. General information about lung diseases. Classification of pneumoconiosis. X-ray picture.
18. Conducting preliminary and periodic medical examinations of workers. Order MZO2-N dated April 12, 2011.
19. Clinical picture of silicosis. Stages of silicosis (I, II, III). Clinical presentation, treatment and prevention.
20. Silicosis (metalloconiosis, siderosis, aluminosis, pneumoconiosis from mixed dusts).
21. Diseases of the musculoskeletal system associated with physical stress and microtraumatization - osteochondrosis, stenosing ligamentosis.
22. Intoxication with pesticides used in agricultural work (arsenous pesticides). Basic principles of diagnostics and medical and social expertise in case of poisoning by them.
23. The main types of emergency medical care in acute poisoning.
24. Intoxication with aromatic hydrocarbons (benzene and its homologues). Clinic of acute and

chronic intoxication.

25. Laboratory research methods used in the diagnosis of occupational diseases.

26. Intoxication with irritating substances (chlorine). Physicochemical properties. Clinic, chlorine intoxication treatment.

27. Occupational diseases in medical workers. Pathogenesis, clinic, examination of working capacity. Treatment and prevention.

28. Differential diagnosis of manganese and post-encephalitic parkinsonism. Treatment, examination of working capacity, prevention of manganese intoxication.

29. Intoxication with aromatic hydrocarbons (benzene and its homologues). Clinic of acute and chronic intoxication.

30. The mechanism of biological action of electromagnetic fields of radio frequencies and laser radiation. Clinic. Diagnostics, labor expertise. Forecast, prevention.

31. Physicochemical properties of tetraethyl lead. Clinic of acute, chronic intoxication. Examination of working capacity. Laboratory indicators for lead intoxication.

32. Treatment, examination of working capacity in case of carbon monoxide intoxication.

33. Diseases of the musculoskeletal system associated with physical stress and microtraumatization - bursitis, crepitus tendovaginitis of the forearm.

34. Treatment for nitric oxide intoxication. Clinical picture, pathogenesis. Examination of working capacity. Treatment and prevention.

35. Preliminary and periodic medical examinations. Tasks. Primary requirements.

36. Intoxication with irritating substances (hydrogen sulfide). Physicochemical properties. Clinic, treatment, examination of the ability to work.

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38. Physical and chemical properties of carbon monoxide. Pathogenesis, pathological anatomy, clinic of carbon monoxide intoxication.

39. Features of the clinical examination and the necessary medical documentation for the establishment of an occupational disease, taking into account social insurance.

40. Physical and chemical properties of manganese. Pathogenesis, pathological anatomy, clinical picture, diagnosis, treatment, examination of the ability to work of manganese intoxication.

41. The main types of emergency medical care in acute poisoning.

42. Beryllium, basic production and technological processes. Pathogenesis, routes of entry, acute beryllium disease.

43. Influence of production factors on the reproductive system. Occupational oncological diseases. Clinic, diagnostics, prevention.

44. X-ray picture of lung lesions at I, II, III stages of chronic beryllium disease.

45. General information about occupational intoxication and the main types of emergency medical care in acute intoxication.

46. Intoxication with irritating substances: sulfur dioxide. Acute and chronic intoxication. Treatments.

47. Research of the sensitive sphere: vibration testing, algometry, tone audiometry.

48. Intoxication with irritating substances: nitrogen oxides (nitrogases). Acute and chronic intoxication.

49. The main methods of functional diagnostics: rheovasography, test for reactive hyperemia, capillaroscopy, cold test.

50. Bursitis. Pathogenesis, clinic, diagnostics, treatment, examination of working capacity, prevention

51. The most common complications of silicosis, please describe them (based on clinical, radiological and laboratory data).