

«СОГЛАСОВАНО»

Председатель методической комиссии
медицинского факультета

_____ Н.В. Смирнова

Протокол N _____

от «___» _____ 2024 г.

«УТВЕРЖДАЮ»

Декан медицинского факультета

_____ В.Н. Диомидова

от «___» _____ 2024 г.

**Перечень экзаменационных вопросов (задач, тестов и др.)
по дисциплине: «Biology»
для студентов I курса по специальности «General Medicine»
2023/2024 учебного года**

1. The history of the emergence and development of biology. Ionian, Athenian, Alexandrian and Roman schools of natural science. Renaissance. The main representatives and their works.
2. Substratum of life and levels of organization of life. properties of the living. The laws of biology.
3. The concept of bio - and geohelminths. The concept of natural foci.
4. Mechanisms of transmission and ways of penetration of the parasite into the host organism.
5. Characteristics of the interaction of the "parasite-host" system.
6. Dysentery amoeba. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
7. Trypanosoma. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
8. Giardia. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
9. Visceral and dermatotropic leishmaniasis. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
10. Trichomonas (urogenital and intestinal). Systematic position, cycle of development. Laboratory diagnostics, prevention.
11. Toxoplasma. Systematic position, morphology, development cycle, ways of infection. Substantiation of methods of laboratory diagnostics.
12. Malarial Plasmodium. Systematic position, morphology, development cycle.
13. Balantidia. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
14. Liver fluke. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
15. Pulmonary fluke. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
16. Schistosomes. Systematic position, morphology, development cycle. Substantiation of methods of laboratory diagnostics. Ways of infection, prevention.
17. Cat fluke. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
18. Lanceolate fluke. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
19. Bull and pork tapeworm. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
20. Tape is wide. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
21. Dwarf tapeworm. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.

22. Echinococcus. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
23. Roundworm. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
24. Vlasoglav. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
25. Rishta. Systematic position, morphology, development cycle. Laboratory diagnostics and prevention.
26. Pinworm. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
27. Hookworm. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
28. Trichinella. Systematic position, morphology, development cycle. Laboratory diagnostics, prevention.
29. Detachment Ticks. Family Iksodidovye (taiga, ticks dermacentors) and Argazovye (village). Systematic position, development cycle, medical significance.
30. Detachment Ticks. Family Gamazovye, Zheleznichnye, Scabies. Systematic position, development cycle, medical significance.
31. Order Diptera. Flies: indoor, Wolfart, tse-tse. Development cycles. medical significance.
32. Lice, fleas, bedbugs. systematic position. medical significance.
33. Mosquitoes. Systematic position, development cycle, medical significance. Differences between common and malarial mosquitoes.
34. Evolution of forms of reproduction. Types of asexual and sexual reproduction.
35. Gametogenesis. The formation of female and male germ cells.
36. Embryogenesis. Derivatives of the germ layers. Embryonic membranes.
37. Postembryonic development. Growth and development. Age periodization of the postnatal stage of development of the human body.
38. The role of the hormones of the pituitary and pineal glands in human life.
39. Hormones of the adrenal glands, thyroid and pancreas. Their influence on the growth and development of the organism.
40. Hypotheses of body aging. Signs of aging.
41. Stress. Causes and mechanisms of stress-reaction development. The damaging effect of stress.
42. The concept of homeostasis and regeneration. Physiological and reparative regeneration.
43. History of development of genetics. The main directions of human genetics. Issues in Social Genetics.
44. Methods for studying human heredity.
45. Deviations from inheritance according to Mendel's laws (incomplete dominance, multiple allelism, overdominance, codominance, allelic exclusion, lethal genes, interallelic complementation).
46. Interaction of non-allelic genes: complementarity, epistasis, polymerism.
47. Inheritance and formation of sex and sex-linked traits.

Вопросы обсуждены на заседании кафедры медицинской биологии с курсом микробиологии и вирусологии. Протокол № 10 от «04» марта 2024 года.