

Questions for exam from practical lessons

Autumn semester

1. Determination of hematocrit value
2. Erythrocyte sedimentation rate, factors of sedimentation
3. Determination of hemoglobin content, hemoglobin derivatives
4. Osmotic fragility of red blood cells
5. Determination of red blood cell count, red blood cell values
6. Determination of white blood cell count, leucocyte functions
7. Differential leucocyte count, Hynk's nucleus number
8. Platelets count
9. Blood clotting time, bleeding time
10. Blood types determination, principles of transfusion
11. Testing by EUTEST
12. Spirography – testing by VOLUTEST
13. First aid – artificial ventilation, heart resuscitation
14. Examination of arterial pulse
15. Electrocardiography
16. Auscultation of the heart, phonocardiography
17. Measurement of the blood pressure in man (BP), factors influencing the BP
18. Urine examination – density, pH, proteins, glucose
19. Urine examination - ketone bodies, bile stains, blood and pus

Summer semester

1. Measurement of the body temperature
2. Measurement of the basal metabolic rate
3. Examination of the gastric juice
4. Examination of the cutaneous senses (touch, warm, cold, pain)
5. Determination of near and far points, astigmatism
6. Ophthalmoscopy
7. Examination of the visual acuity (visus)
8. Examination of the visual field (perimetry)
9. Colour vision
10. Determination of the hearing by tuning forks
11. Examination of the vestibular apparatus
12. Examination of the taste, tests of smell sensation
13. Examination of the spinal somatic exteroceptive reflexes
14. Examination of the spinal somatic proprioceptive reflexes
15. Functional examination of cerebellum
16. Examination of vegetative reflexes of man, Ewing's tests
17. Elaboration of the conditioned reflex - model
18. Phases of sleep, electronic model of sleep
19. Examination of the memory – Testing by Melli method, associative test

20. Physiology of exercise - Krestovnik's, Lian's and Ruffier's tests
21. Physiology of exercise - bicycle ergometry
22. Burger's test of blood pressure changes during expiration against a resistance
23. Determination of glycemia – glucose tolerance test