

Discipline of Physiology and Neuroscience

Subjects for the practical exam – semester 1, 2017/2018, English Module

1. Exploration of the nervous impulse conduction.
2. Reflex arch and muscle stretch reflex.
3. The muscle twitch, skeletal muscle tetany
4. The muscle fatigue.
5. Normal EEG.
6. Visual system physiology - Visual acuity
7. Visual system physiology - Field vision- perimetry
8. Physiology of hearing. Audiometry.
9. Counting of the blood cells: erythrocytes, leukocytes, platelets.
10. Hematocrit
11. Erythrocyte indices
12. Erythrocytes sedimentation rate
13. Hemolysis - Osmotic fragility test
14. Hemoglobin. Hb identification - crystallographic method: Teichman crystals
15. Blood groups: ABO system and Rh System
16. Investigation of primary hemostasis
17. Investigation of the secondary hemostasis
18. Parameters for the evaluation of acid-base equilibrium

The exam includes the interpretation of one test – blood test, acid-base test.