

SUBJECTS FOR THE PRACTICAL EXAM – FIRST SEMESTER

Physiology, 2nd Year, English Module

1. The automatism of the heart. Stannius ligatures on the frog heart.
2. Effect of vagal stimulation on heart activity. Vagal escape
3. Action potential in the heart. The law of periodic inexcitability of the heart.
4. The influence of ions and mediators on heart activity
5. Carotidogram recording and analysis.
6. Jugulogram.
7. Heart sounds. The phonocardiogram recording and analysis.
8. ECG: basic concepts, interpretation of normal ECG
9. Blood pressure: normal parameters, physiological variations, BP measurement.
10. Nervous impulse conduction velocity along the ulnar nerve of a human subject; measurement using Biopac System.
11. Muscle stretch reflexes; analyzing the knee jerk using Biopac System
12. Muscle twitch, skeletal muscle tetany, muscle fatigue - recording with Biopac System
13. Visual system physiology – visual acuity, field vision- perimetry
14. EEG: recording technique, normal waves/rhythms, EEG interpreting

Note that interpreting a normal ECG is mandatory for the practical exam!