



ROMANIA  
MINISTRY OF NATIONAL EDUCATION  
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## FACULTY OF MEDICINE

Topics and bibliography for the admission exam at the study programs of  
Medicine, Medicine (in English), Medicine (in French):

### **THE STUDY PROGRAMS OF MEDICINE, MEDICINE (IN ENGLISH), MEDICINE (IN FRENCH)**

#### **BIOLOGY**

##### **Written exam**

1. Organization of the human body
2. Osseous system
3. Muscular system: skeletal and visceral muscles, main groups of somatic muscles, muscles properties, the expressions of the muscle contractions
4. Nervous system: bone marrow, cerebral trunk, cerebellum, diencephalus, cerebral hemispheres, vegetative nervous system
5. Analyzers: cutaneous, kinesthetic, gustative, olfactory, visual, acoustic and vestibular
6. Endocrine system: pituitary, thyroid, parathyroid, adrenal glands, endocrine pancreas, epiphysis, thymus, local hormones
7. Digestive system: anatomy of the digestive system, physiology of the digestive system, digestive tract and annex gland
8. Internal environment: blood, blood functions, interstitial fluid, lymph
9. Circulatory system and circulation
10. Respiratory system: structure, physiology of respiration and breathing regulation
11. Excretory system: kidneys and urinary tracts, micturition, physiology of excretion and regulating the renal discharges
12. The reproductive system – male genitalia, female genitalia, testicular and ovary functions, fecundation, and implantation

## 13. Metabolism

### **Recommended bibliography:**

1. Biologie - Manual pentru clasa a XI, Autori: Rou Ionel, Istrate Calin, Ardelean Aurel, Editura Corint, 2006, (sau editia 2008)
2. Anatomia si fiziologia umana, manual pregatitor pentru admiterea in invatamantul superior – Aurel Ardelean, Ionel Rou, Calin Istrate, Valentin Valoban, ed Corint, ISBN: 973-9413-72-2, Libraria Universitara U.V.V.G. Arad
3. Biologie, manual pentru clasa a XI-a - Cristescu D., Salavastru C., Voiculescu B., Niculescu C., Carmaciu R., Editura Corint, Bucureti, 2014
4. Atlas Of Human Anatomy (5th Ed.) – Frank H. Netter
5. Atlas d'anatomie humaine (4 th Ed.)- Frank H. Netter

There are to be excepted the sub-chapters: Practical activities, homeworks and applications, self-evaluation, basic notions of hygiene and pathology

## **STUDY PROGRAM BALNEO-PHYSIO-KINESIOTHERAPY AND RECOVERY**

### **BIOLOGY**

#### **Written test**

1. Organization of the human body
2. Osseous system
3. Muscular system: skeletal and visceral muscles, main groups of somatic muscles, muscles properties, the expressions of the muscle contractions
4. Digestive system: anatomy of the digestive system, physiology of the digestive system, digestive tract and annex gland
5. Internal environment: blood, blood functions, interstitial fluid, lymph
6. Circulatory system and circulation

### **Recommended Bibliography:**

1. Biologie - Manual pentru clasa a XI, Autori: Rou Ionel, Istrate Calin, Ardelean Aurel, Editura Corint, 2006, (sau editia 2008)
2. Anatomia si fiziologia umana, manual pregatitor pentru admiterea in invatamantul superior – Aurel Ardelean, Ionel Rou, Calin Istrate, Valentin

- Valoban, ed Corint, ISBN: 973-9413-72-2, Libraria Universitara U.V.V.G. Arad
3. Biologie, manual pentru clasa a XI-a - Cristescu D., Salavastru C., Voiculescu B., Niculescu C., Carmaciu R., Editura Corint, Bucureti, 2014
  4. Atlas Of Human Anatomy (5 th Ed.) -Frank H. Netter
  5. Atlas d'anatomie humaine (4 th Ed.)- Frank H. Netter

There are to be excepted the sub-chapters: Practical activities, homeworks and applications, self-evaluation, basic notions of hygiene and pathology.

Approved in the Faculty of Medicine Council of January 10, 2019.

DEAN INTERIM,

Assoc. prof. Casiana BORU, MD

