

Témata absolutoria ke zkoušce z anglického jazyka.

Obor: Diplomovaný farmaceutický asistent – kombinovaná forma
Studijní skupina: 3. DFAk
Školní rok: 2025-2026
Zkoušející: Mgr. Ludmila Faltýnková, Ph.D.

1. Human body

- Outer description of the human body
- Basic internal organs and systems
- Cells and tissues – basic structures of the cell and their functions, types of tissue, cell division

2. Cardiovascular system

- Structure and functions of the heart and circulatory system
- Circulatory loops: Systemic and pulmonary circulation, blood vessels
- Blood and its elements, blood types
- Diseases and disorders of the cardiovascular system

3. Respiratory system

- Upper and lower respiratory tract structure and functions
- Types and phases of respiration
- Diseases and disorders of the respiratory system

4. Digestive system

- Gastro intestinal tract and accessory organs, structure and functions
- Processing food and nutrients, digestion
- Disorders and diseases of the digestive tract, common symptoms

5. Urinary system

- Basic organs structure and functions
- Nephron and its structure and function
- Urine – composition, disorders
- Diseases of the urinary system

6. Locomotors system

- Functions of the skeletal and muscular system
- Types and structure of bones
- Types of muscles, joints, tendons, ligaments, cartilages
- Disorders of the locomotor system

7. Central nervous system

- Function and structure of the brain and spinal cord
- Neuron and its structure and function, action potential
- Neurotransmitters
- Disorders and diseases of the CNS

8. Peripheral nervous system

- Structure and functions of nerves
- Classification of nerves
- Somatic and autonomic nervous system
- Reflex arch
- Disorders of the PNS

9. Reproductive system

- Female reproductive organs, structure and functions
- Male reproductive organs, structure and functions
- Conception, pregnancy and labour - complications
- Disorders and diseases of the reproductive system

10. Endocrine system

- Hormones and endocrine glands definition
- Structure and functions of the endocrine system
- Main endocrine glands, their hormones and functions
- Disorders of the endocrine system

11. Senses

- Definition of a sense, human senses
- Eye – structure, functions
- Ear – structure, functions
- Disorders of the eye and ear
- Other sense organs and sensory modalities

12. Skin

- Structure and functions of the skin and its accessory structures
- Receptors in the skin
- Disorders of the skin and skin protection
- Skin parasites

13. Healthy lifestyle

- Healthy lifestyle definition
- Nutrients, vitamins, minerals – balanced diet
- Food pyramid, drinking regime
- Factors of healthy lifestyle
- Hygiene

14. First aid

- First aid definition, PPP
- ABC of CPR, situations when first aid is needed
- First aid in particular situations

15. Hospital

- Hospital definition and types
- Patient classification
- Hospital departments and their specialities
- Admission to hospital
- Hospital staff and equipment – examination with special devices

16. My future profession

- Education and training required
- Job duties and responsibilities of a pharmacy technician
- Pharma lab activities, compounding medicines
- Further education

17. Medication and its effects

- Classification of medications
- Forms and types of medication, effects of medication
- Dose and dosage
- Routes of medication administration
- Clinical trials
- Major discoveries in history

18. Diseases and their prevention

- Definition of a disease, disorder, syndrome
- Classification of symptoms
- Stages of infectious diseases
- Classification of diseases - examples
- Types of prevention

19. Pharmacology

- Definition of pharmacology, its history and great personalities
- The outline and classification of drugs
- Pharmacokinetics
- Homeopathy and alternative treatment
- Development of new drugs

20. In a lab

- Definition of a laboratory
- Laboratory equipment
- Activities in a pharma lab
- Laboratory safety and safety equipment
- First aid in the lab, most common injuries

21. At the pharmacy

- Definition of a pharmacy and its history
- Types of pharmacies and their characteristics
- Jobs related to the pharmacy
- Communication with pharmacy customer

22. Herbs

- Definition of herbs, their use
- Phytochemicals
- Pharmacognosy
- Therapeutic effects of the most common herbs (mint, chamomile, ...)
- Interaction of herbs and other medications

23. Drugs and addiction

- Definition of a drug and addiction
- Drug classification
- Recreational/socially tolerated drugs
- Addiction treatment

24. Chemistry

- Definition and classification of chemistry
- Basic terminology: atom, matter, element, molecule, compound, mixture ...
- Chemical bonds, their types and occurrence
- Some most common elements and molecules
- Periodic table of elements

25. Pharmacopoeia, medication types, forms, contraindications

- Pharmacopoeia – definition, history, content
- Types and forms of medication and their content
- Types of effects (therapeutic, side, adverse, anaphylaxis...)
- Routes of administration
- Different systems of medication classification

Vypracovala:

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