

Témata absolutoria ke zkoušce z anglického jazyka

Obor: Diplomovaný farmaceutický asistent
Studijní skupina: 3. DFA
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Zkoušející: Mgr. Alena Václavíková

1. Human body

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

2. Cardiovascular system

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

3. Respiratory system

- Upper and lower respiratory tract structure and functions
- Lungs and alveoli, respiration
- Disorders of the respiratory system

4. Digestive system

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

5. Urinary system

- Basic organs structure and functions
- Nephron and its structure and function
- Urine
- Disorders 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
- Disorders of the CNS

8. Peripheral nervous system

- Structure and functions of nerves
- Neuron
- 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
- Disorders of the reproductive system

10. Endocrine system

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

11. 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

13. Healthy lifestyle

- Nutrients, vitamins, minerals – balanced diet
- Food pyramid, basics of healthy diet
- Other factors of healthy lifestyle: exercise, good mental health, stress management, sleep
- Prevention from diseases

14. First aid

- What is first aid, PPP
- ABC of CPR, situations when first aid is needed
- First aid in particular situations – fracture, bleeding, ...

15. Hospital

- Main types and parts of hospital – outpatient x inpatient
- Hospital departments and their specialities
- Admission to hospital
- Hospital staff and equipment

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
- Routes of administering medication
- Clinical trials
- History of pharmacology and major discoveries

18. Diseases and their prevention

- Diseases and their classification
- Symptoms, treatment and prevention
- Diagnostic procedures
- Stages of diseases
- 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

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
- 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

- Classification of chemistry
- Basic terminology: element, molecule, compound, mixture ...
- Chemical bonds, their types and occurrence
- Some most common elements and molecules

25. Medication – types, forms, contraindications, ways of administration

- Types and forms of medication
- Doses and dosages, local and systemic effect
- Types of effects (therapeutic, side, adverse, anaphylaxis...)
- Routes of administration
- Medication classification

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