

ÉRETTSÉGI VIZSGA • 2006. május 18.

**EGÉSZSÉGÜGYI ALAPISMERETEK
ANGOL NYELVEN
BASIC PRINCIPLES OF
HEALTHCARE**

**KÖZÉPSZINTŰ ÍRÁSBELI
ÉRETTSÉGI VIZSGA
STANDARD LEVEL
WRITTEN BACCALAUREATE
EXAMINATION**

**JAVÍTÁSI-ÉRTÉKELÉSI
ÚTMUTATÓ
CORRECTION-EVALUATION
GUIDE**

**OKTATÁSI MINISZTERIUM
MINISTRY OF EDUCATION**

Guide for evaluating the performance of the examinee(s)
(for the evaluating teacher(s))

- Examinees may only work on the provided work-sheets.
- The duration of the written examination is 180 minutes.
- In case there is a mistake answers can only be accepted, if the examinee has corrected them in unambiguous, transparent manner.
- Please mark any possible errors or mistakes in the solutions of the test in a conspicuous way.
- In order to be able to evaluate the tests in uniform manner, please use the evaluation guide at your disposal.
- The **maximum number of points** that can be awarded for each correct/error-free answer are indicated next to the exercises (either closed or open). In case the correct solution consists of several partial answers, the score that can be achieved for each **item** (for each correct answer) is also indicated (the sum of these provides the score for the performance of the examinee). **The value of each item is 1 point.**
- In (closed) test exercises, wrong/incorrect answers result in the deduction of 1 point in each case.
- **In case of definitions keywords** are underlined in the solution key. Maximum points may only be awarded, if the keywords can be found in full in the answer given by the examinee. The available score for partial solutions, if it is an option, may be found in the correction-evaluation guide of the relevant exercise.
- **With respect to exercises marked by a (*)** (lists in general) there may be more than one correct answer in addition to the one given in the instructions (e.g. Write /3/!). In these cases **correct solutions** that are **different from the ones in the correction guide**, but otherwise having the same content are also acceptable within the score limit.
- Please indicate the points scored by the examinee next to the maximum available score, and add them up on the provided performance sheet.

1. **Select the statements that are incorrect and circle the corresponding letters.** **2 points**

- A. The trachea is an inelastic tube.
 B. The left lung consists of 2 lobes.
 C. The trachea is the continuation of the cricoids.
 D. The trachea consists of thyroid cartilages.

(1 point for each correct answer)

2. **Link the following notions and statements. Write the letter corresponding to the appropriate notion next to the numbers.** **4 points**

- A. anti – A 1. Is present in the blood-plasma of a person, whose blood type is “A”.
B. anti – B 2. Is present in the blood-plasma of a person, whose blood type is “B”.
C. both 3. Is present in the blood-plasma of a person, whose blood type is “0”.
D. neither 4. Is present in the blood-plasma of a person, whose blood type is “AB”.

1. **B.** 2. **A.** 3. **C.** 4. **D.**

(1 point for each correct answer)

3. **Underline the correct statements.** **4 points**

- A. Thrombocytes belong to the figural elements of blood.
B. Blood-plasma belongs to the figural elements of blood.
C. Leucocytes contain haemoglobin.
D. Leucocytes take part in the protection mechanism of the body.
E. The uterus is a pear-shaped, hollow organ with a muscular wall.
F. The uterus is 13 cm long, 7 cm wide and 5cm thick.
G. The uterus consists of two main parts: the corpus uteri and the cervix.
H. The uterine wall has 2 layers.

(1 point for each correct answer)

4. **Write an x next to the false statements.** **3 points**

The iliacuses can be found inside and outside the pelvis.	
The colon is part of the small intestine.	x
The amount of primary urine is 170-200 litres a day.	
The sinoatrial node is the primary stimulation centre of the heart.	
The kidneys are positioned in front of the peritoneum.	x
The skin is strongly alkaline.	x

(1 point for each correct answer)

5. Answer the questions by underlining the statements that are true. 3 points

What causes the first (systolic) cardiac sound?

- A. It is caused by the opening of the semilunar cardiac valves.
- B. It is caused by the closing of the valvae mitralis.
- C. It is caused by the closing of the semilunar cardiac valves.

In the production of which vitamin does the liver play an important role?

- A. Vitamin "B"
- B. Vitamin "K"
- C. Vitamin "C"

Which bone is part of the cranium?

- A. the radius
- B. the sphenoid
- C. the ulna

(1 point for each correct answer)

6. Group the bones according to the provided categories. 4 points

Write the numbers corresponding to the bones you have selected to the appropriate places.

- 1. radius
- 2. fibula
- 3. tibia
- 4. ulna

Forearm bones: 1, 4

Shin bones: 2, 3

(1 point for each correct answer)

7. Underline the statements that are false. 5 points

- A. While infants are breast-fed, they do not need to be vaccinated.
- B. People who eat fast feel full, because they have consumed a larger amount of food.
- C. Older people's caloric intake need increases.
- D. Vitamin "C" was discovered by Albert Szent-Györgyi.
- E. Consuming large quantities of alcohol amplifies sound judgement.
- F. Pulmonary screenings should only be carried out on people who work.
- G. Patients do not have any complaints and symptoms during the introductory phase of the disease.
- H. All kinds of mucous should be considered as infected.
- I. The most frequent cause of obesity is improper nutrition.

(1 point for each correct answer)

8. Write a **T** next to the **true** statements and an **F** next to the **false** ones **5 points** referring to pregnant women's lifestyle.

	T (true)	F (false)
Consuming lots of carbohydrates is beneficial.		<i>F</i>
Regular dental examinations are necessary.	<i>T</i>	
Having a bath (in a bath tub) twice a day is necessary.		<i>F</i>
One should eat lots of fruits and vegetables.	<i>T</i>	
Medications should only be taken, if prescribed by a doctor.	<i>T</i>	

(1 point for each correct answer)

9. Select the early symptoms of pregnancy from the list below. **3 points**
Write the numbers corresponding to the **true** statements on the dotted line.

- | | |
|-------------------------|----------------------------|
| 1. Menstruation | 2. Soreness of the breasts |
| 3. Increased salivation | 4. Nausea |
| 5. Embryonic movement | 6. Sickness |

3., 4., 6.

(1 point for each correct answer)

10. Select the statements that are **false** and circle the letters that correspond to the selected statements. **2 points**

A. Breast-milk contains saturated fatty acids therefore, it is absorbed better.

B. The third phase of labour is referred to as the phase of dilation.

C. Nausea is an early sign of pregnancy.

D. A newborn already has reflexes.

(1 point for each correct answer)

11. Number the order in which medical care should be performed **5 points** (from 1-5) in case of an electric shock.

- 5.* Calling an ambulance
2. Checking the patient's life signs
4. Putting the patient at ease
1. Extricating the patient from the electric circuit.
3. Starting resuscitation

(1 point for each correct answer)

12. Underline the statements that are true from the list below. 4 points

- A. Pulse-rate should be counted for 30 seconds.
- B. When counting the pulse-rate, rhythm also has to be taken into consideration.
- C. The physiological pulse-rate is 40-50 per minute.
- D. Cotton-wool should never be placed directly onto a wound.
- E. Even caffeine consumption can lead to addiction.
- F. Very high fevers should be treated with a cold bath.
- G. Teeth should only be brushed in the evenings.

(1 point for each correct answer)

13. Group the following nutrients according to their vitamin content. 6 points

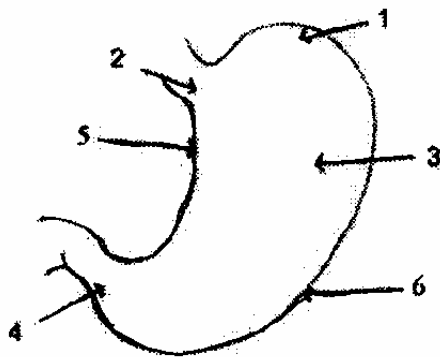
1. cabbage, 2. orange, 3. rice, 4. sweet pepper, 5. dried beans, 6. cottage-cheese

Rich in vitamin "C": 1., 2., 4.

Not too much vitamin "C": 3., 5., 6.

(1 point for each correct answer)

14. Name the parts of the stomach. (Write your answers on the dotted lines, 6 points next to the numbers!)



- 1. ...*fundus of the stomach*...
- 2. ...*cardia*...
- 3. ...*corpus ventriculi*...
- 4. ...*pylorus*...
- 5. ...*curvatura ventriculi minor*...
- 6. ...*curvatura ventriculi major*...

(1 point for each correct answer)

15. List the names of the bones of the cranium. 5 points

- *Occipital bone*
- *The coronal bone*
- *Sphenoidal bone*
- *Supratemporal bone*
- *Os parietale*

(1 point for each correct answer)

16. Define the following notions. 4 points

Atrioventricular node: *a secondary stimulation centre positioned at the right atrioventricular border of the heart*

Primary urine: *a protein-free (blood-plasma) blood-filtrate, which is produced in the glomerulus.*

(2 points for each correct answer)

17. Fill in the table with the missing data. 5 points

Place of digestion	Digestive juice	What does it break down?
Oral cavity	<i>Saliva</i>	Carbohydrates
Stomach	Gastric juice	<i>protein</i>
Small intestine	<i>Bile</i> <i>Pancreatic juice</i>	<i>Fat</i> Carbohydrates

(1 point for each correct answer)

18. List the phases of menstrual cycle. 4 points

Recovery (regeneration)
Growth (proliferation)
Storage (secretion)
The endometrial lining is shed (menstruation)

(1 point for each correct answer)

19. * Describe three different forms of medication. 3 points

Solid
Soft
Liquid

(1 point for each correct answer)

20. * List five of the most conspicuous symptoms of drug addiction. 5 points

Changes in habits and lifestyle.
Rapidly declining performance at school.
Truancy, vagrancy.
“Slurred” speech.
Visiting places where the effects of drugs are easier to enjoy.

(1 point for each correct answer)

21. * Write down three pieces of advice facilitating weight loss. 3 points

*Reduction of carbohydrate-intake.
Regular exercise.
Reduction of the amount of food consumed
Consuming fruits with low sugar content.
Moderating the consumption of high sugar content drinks.*

(1 point for each correct answer)

22. Complete the order of attending a newborn. 6 points

1. Removing mucous from the airways.
2. *Attending to the eyes*
3. *Attending to the navel*
4. *Placing the newborn on the mother's chest*
5. *Bathing*
6. *Measuring weight and height*
7. *Screenings*

(1 point for each correct answer)

23. * State the level of development of a three-month-old infant according to the following. Write down a one characteristic feature for each aspect. 5 points

Movement: *keeps up his/her head*
Play activities: *uses his/her hands*
Emotional reactions: *feels pleasure, cries*
Intellectual development: *is able to focus his/her attention for a short while*
Speech development: *cries in a "modulated" way*

(1 point for each correct answer)

24. * List four of the functions of the skin. 4 points

*Regulates temperature
Excretive
Sense of touch
Stores nutrients
Stores salt and water
Protects from mechanical impacts*

(1 point for each correct answer)