EGÉSZSÉGÜGYI ALAPISMERETEK ANGOL NYELVEN

KÖZÉPSZINTŰ ÍRÁSBELI ÉRETTSÉGI VIZSGA

JAVÍTÁSI-ÉRTÉKELÉSI ÚTMUTATÓ

NEMZETI ERŐFORRÁS MINISZTÉRIUM
Guide to the Evaluation of Examinees’ Performance  
(to be used by evaluating teachers)

- If the examinee marks all possible answers when answering closed questions (multiple choice questions) they will not receive any credit. 
If the examinee marks more answers than indicated in the correction/evaluation guide, any additional answers should be deducted from their overall score. 
Points given for the questions may not be negative.
- Corrections of answers given to open-ended questions are only acceptable if they are marked clearly!
- Any mistakes in the solutions, answers to the questions should be marked explicitly!
- When defining concepts, please underline the key words used. 
Maximum points should only be awarded, if all the key words have been mentioned. 
If the examinee only provides a partial answer, the corresponding point values have been given in the correction/evaluation guide to the given question.
- More answers are possible in the case of questions marked with an asterisk (*) (usually list-type questions) than what is featured in the instructions to the question (e.g. Mention/write three /3/…). In such cases the correction/evaluation guides may provide different solutions, whose content is essentially the same. Other correct answers are also acceptable within the maximum score available for the question.

Only the point values featured in the correction/evaluation guide can be awarded to the answers featured therein.

The points set in the guide can only be subdivided further if specifically stated. The score thus attained can only be a whole number.
Multiple Choice Questions

1. Underline the statements that are true. 3 points

1. A healthy person lives in harmony with his/her own self.
2. Loss of skin turgidity is a sign of dehydration.
3. Newborns cannot see when they are born.
4. The protein content of mother’s milk is 1.2%.
5. Newborns receive an adequate supply of vitamin D from mother’s milk.

1 point for each correct answer.

2. Underline the statements that are true. 3 points

1. The sucking reflex is not present in premature infants.
2. Physiological jaundice presents immediately after birth.
3. After pains help the uterus return to its previous size.
4. Self-awareness develops by the end of the first year of life.
5. The absence of menstruation is a symptom of pregnancy.
6. Luteotropic hormone promotes the conception of a pregnancy.

1 point for each correct answer.

3. Put an X in the appropriate column after the statements depending on whether they are true or false. 5 points

<table>
<thead>
<tr>
<th>Statements</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children start playing constructive games by the end of their kindergarten years.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>At three years of age children develop their ability to listen to stories.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Coughing is a defense reaction.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>After giving birth the abdomen needs app. 4-6 months to return to its previous size.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>A fetus is considered mature, if it is born on the 35th week of pregnancy.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

1 point for each correct answer
4. Put an X in the appropriate column after the statements depending on whether they are true or false.  

<table>
<thead>
<tr>
<th>Statements</th>
<th>True</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Nicotine is a severe cellular toxin, which can reach and damage the fetus during pregnancy.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>The reflexes of newborns cannot be triggered.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>The large fontanelle only remains open if the newborn was premature.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>The stool of newborns is initially greenish black.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Men suffer from gastric ulcers more often.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

1 point for each correct answer.

5. Pair the physiological pulse values with the given age group. Write the letters in the appropriate space.  

<table>
<thead>
<tr>
<th></th>
<th>A. ages 6-7</th>
<th>B. ages 10-</th>
<th>C. puberty</th>
<th>D. adulthood</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 100/minute:</td>
<td>A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. 90/minute:</td>
<td>B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 60–80/minute:</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. 80–85/minute:</td>
<td>C</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 point for two correct answers.

6. Put a T after the statements that are true and an F after the statements that are false.  

<table>
<thead>
<tr>
<th>Statements</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults with normal weight need app. 100 g of protein every day.</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>Vitamin A is water soluble.</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>The skin promotes gas exchange through the pores.</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>Vaccines may, in rare cases, cause adverse effects.</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>A warm compress is generally used to treat chronic problems.</td>
<td>T</td>
<td></td>
</tr>
</tbody>
</table>

1 point for each correct answer.
7. Put a **T** after the statements that are true and an **F** after the statements that are false.  

<table>
<thead>
<tr>
<th>Statement</th>
</tr>
</thead>
</table>
| The salmonella bacterium causes food poisoning.                | **T**  
| Medical screenings are only performed in infancy.             | **F**  
| A fiber-filled diet can lead to constipation.                  | **F**  
| People with oily skin do not need to care for their skin.     | **F**  

4 points

8. Separate the nutrients and elements according to the given criteria.  

<table>
<thead>
<tr>
<th>Nutrient</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Water</td>
</tr>
<tr>
<td>2. Proteins</td>
</tr>
<tr>
<td>3. Vitamins</td>
</tr>
<tr>
<td>4. Carbohydrates</td>
</tr>
<tr>
<td>5. Fats</td>
</tr>
<tr>
<td>6. Minerals</td>
</tr>
</tbody>
</table>

Nutrients: **2, 4, 5**  
Essential elements: **1, 3, 6**

6 points

9. Put the various parts of the nose where they belong.  

Write the numbers in the appropriate spot.  

<table>
<thead>
<tr>
<th>Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Nasal root</td>
</tr>
<tr>
<td>2. Dorsum of the nose</td>
</tr>
<tr>
<td>3. Nasal septum</td>
</tr>
<tr>
<td>4. Tip of the nose</td>
</tr>
<tr>
<td>5. Concha</td>
</tr>
<tr>
<td>6. Nostrils</td>
</tr>
</tbody>
</table>

Parts of the external nose: **1, 2, 4, 6**  
Parts of the nasal cavity: **3, 5**

6 points

10. Put the various parts of the aorta in order in accordance with the direction of blood flow.  

3 points

<table>
<thead>
<tr>
<th>Part</th>
</tr>
</thead>
</table>
| Arch of the aorta: **2**  
| Descending aorta: **3**  
| Ascending aorta: **1**  

The 3 points should only be awarded if the order was correct.
11. Put an X in the appropriate column after the statements depending on whether they are true or false. 3 points

<table>
<thead>
<tr>
<th>Statements</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td>As a circulatory organ the spleen also stores blood.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Mild neurological excitement intensifies urine excretion.</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>The vena cava inferior is connected to the left atrium.</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

1 point for each correct answer.

12. Put an X in the appropriate column after the statements depending on whether they are true or false. 3 points

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>The right and left atria are found below the ventricles.</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>The diaphragm distends above the thoracic cavity when inhaling.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The periosteum covers bones from the outside.</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

1 point for each correct answer.

13. Underline the statements that are false. 2 points

- The parotid gland is the largest salivary gland.
- Our bodies contain more arteries than veins.
- The thymus produces T lymphocytes.
- The pancreatic juice is an exocrine glandular secretion of the pancreas.
- Vitamin B is necessary for the production of prothrombin.

1 point for each correct answer.
14. Name the bones indicated in the picture. Write the name of the bone after the appropriate numbers. 6 points

1: os frontale
2: radius
3: fibula
4: tibia
5: patella
6: femur
7: os illium
8: ulna
9: humerus
10: scapula
11: os temporale
12: os parietale

Source: Dr. Tibor Donáth: “Anatómia élettan.”

1 point for two correct answers. Maximum 6 points.

15. List the various parts of the Malphigian corpuscle. 5 points

1. glomerulus
2. afferent arteriole
3. efferent arteriole
4. vascular pole
5. urinary pole

1 point for each correct answer.

16. List the symptoms of the effects of maternal hormones on newborns. 2 points

- Swollen breast buds
- Vaginal discharge, bleeding

1 point for each correct answer.
17. Name four causes responsible for sexual disorders. 4 points
- neurological diseases
- hormonal disorders
- venereal diseases
- inflammation of the reproductive organs
- disorders of the muscular system

1 point for each correct answer.

18. List the reflexes of newborns. 4 points
- Sucking reflex
- Palmar grasp
- Moro-reflex, grasping reflex
- Walking reflex

1 point for each correct answer.

19. Define the self-cleaning mechanism of the vagina. 3 points
The Döderlein bacilli living in the vagina produce lactic acid, which prevents the reproduction of pathogens.

The correct answer merits 3 points.

20. List the various parts of the vestibular system. 3 points
- Ultricle
- Saccule
- Semi-circular canals

1 point for each correct answer.

21. List at least eight long-term effects of alcoholism. 4 points
1. Cirrhosis
2. Gastric ulcer
3. Loss of appetite
4. Impotence
5. Increased alcohol tolerance
6. Vitamin deficiency
7. Neurological weakness
8. Diseases of the circulatory system
9. Physical and mental alcohol dependence

1 point for any two correct answers.
*22. List five typical household accidents.  
- Falls  
- Electrocution  
- Injury to the limbs  
- Household explosions  
- Poisonings  
- Accidents caused by pets  
- Burns and scalding  
1 point for each correct answer.

*23. Define the concepts listed below.  
Write your answer on the dotted line.  
2 points
- Concussion: The brain shifts position in the skull as a result of a sudden, strong blow.
- Pulse: Pulsation of the blood vessels, pulsating movement of the arteries.
- Disinfection: Is a process to eliminate any pathogens released into the environment, or to reduce their contagiousness.
- According to the slogan of the WHO health is: a state of complete physical, mental and social well-being.

24. List at least three leading causes of death.  
3 points
1. Malignant neoplasms  
2. Diseases of the heart and circulatory system  
3. Death resulting from violence  
1 point for each correct answer.

25. List the possible complications of thoracic injury.  
3 points
- Pneumothorax  
- Hemothorax  
- Pulmonary injury  
1 point for each correct answer.
*26. List at least four effects of physical exercise.  

   - Appropriate body development  
   - Increased respiratory output  
   - Relieves tension  
   - Fatty tissue diminishes  
   - Muscular tone improves  
   - Activity of the heart improves  

1 point for each correct answer.

*27. List two circumstances that are necessary for the appropriate development of primary school-age children.  

   - Appropriate abilities  
   - Healthy environment  
   - Educational/developmental exercises  

1 point for each correct answer.