EGÉSZSÉGÜGYI ALAPISMERETEK ANGOL NYELVEN KÖZÉPSZINTŰ ÍRÁSBELI VIZSGA

2010. május 14. 8:00

Az írásbeli vizsga időtartama: 180 perc

Pótlapok száma
Tisztázati
Piszkozati

OKTATÁSI ÉS KULTURÁLIS MINISZTÉRIUM
Important Information

- Examinees may only work in the test sheet provided, rough drafts are not allowed.
- Please, put your name on the test sheet after you have received it.
- Read the questions carefully, and answer them in accordance with the instructions given.
- Please, make sure your handwriting is legible and the layout of your answers is easy to follow.
- The use of aids is not allowed.
- No credit will be awarded, if you mark all possible answers when answering closed type questions (multiple choice questions). If you mark more answers than indicated in the correction/evaluation guide, your score will be reduced by the number of extra answers you have given.
- If you have made a mistake when answering open-type questions, the correct answer will only be accepted, if the correction is clearly marked.
Multiple choice questions

1. Group the substances found in urine. 5 points

<table>
<thead>
<tr>
<th>Organic substances</th>
<th>Inorganic substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. urea</td>
<td></td>
</tr>
<tr>
<td>B. sulphates</td>
<td></td>
</tr>
<tr>
<td>C. creatinine</td>
<td></td>
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<tr>
<td>D. uric acid</td>
<td></td>
</tr>
<tr>
<td>E. phosphates and chlorides</td>
<td></td>
</tr>
</tbody>
</table>

(One point will be awarded for each correct answer.)

2. Group the various tracts of the digestive system. 6 points

Write the letters next to the appropriate sections.

A. Oesophagus
B. Stomach
C. Small intestine
D. Rectum
E. Large intestine
F. Oral cavity

1. Upper tract: .................
2. Middle tract: .................
3. Lower tract: .................

(One point will be awarded for each correct answer.)

3. Pair the structure of the lining of the ureter based on the aspects given. 3 points

Write the appropriate letter on the dotted line.

A. Smooth muscle
B. Connective tissue
C. Cuboidal epithelium

1. From the inside: .................
2. In the middle: .................
3. From the outside: .................

(One point will be awarded for each correct answer.)
4. Put an “X” next to the statements below depending on whether the statement is true or false.  

<table>
<thead>
<tr>
<th>Statements</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td>After pains promote the contraction of the uterus to its pre-pregnancy size.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The absence of a menstrual period is a sure sign of pregnancy.</td>
<td></td>
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</tr>
<tr>
<td>The weight of a mature newborn exceeds 2500 grams.</td>
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<td></td>
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<tr>
<td>Condoms provide protection against AIDS.</td>
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<td></td>
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<tr>
<td>Direct communication is always preferred during a patient’s care.</td>
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<td></td>
</tr>
<tr>
<td>Mixed feeding means that the infant is given vegetables as well as meat.</td>
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<tr>
<td>Children start having temper tantrums at age 3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>By the end of the fourth month of their lives children can reach for objects steadily.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(One point will be awarded for each correct answer.)

5. Select the letters corresponding to the true statements and write them on the dotted lines.  

A. Nicotine promotes the development of peptic ulcers.  
B. The consumption of large amounts of caffeine relieves tension in the long term.  
C. The use of illegal drugs decreases the normal functions of cells.  
D. Prescription medications are legal drugs; therefore people cannot become addicted to them.  
E. In the case of a closed fracture, the connective tissue remains intact around the bone.  
F. Blisters appear with second-degree burns.  
G. People with abdominal injuries should be placed in a semi-upright position.  
H. The BCG vaccine is the first immunisation a newborn receives.  

(One point will be awarded for each correct answer.)
6. Underline from the list below the examinations that are performed during the first prenatal visit (physical examinations performed during the first prenatal visit).

- vaginal secretions test
- eye exam
- blood count
- blood pressure measurement
- hearing exam
- urine test
- doppler exam to check foetal heart rate
- dental exam
- pelvic measurement
- EKG

(One point will be awarded for each correct answer.)

7. Underline from the list below the traits that characterise a mature newborn.

A. The newborn’s head is large compared to its trunk.
B. The newborn’s head circumference is smaller than its chest circumference.
C. The chest broadens downwards.
D. Respiratory rate: 50-60/minute.
E. Blood pressure 80/40 Hgmm.
F. Responds to stimuli with unconditional reflexes.
G. The colour of a newborn’s stool is light.
E. The midpoint of a newborn’s body length is above the navel.
F. The cry of a newborn is differentiated.

(One point will be awarded for each correct answer.)
8. Pair the following bones of the human frontal skull.  
Write the appropriate letter on the dotted line.  
9 points

A. Ethmoid bone  
B. Nasal bone  
C. Lacrimal bone  
D. Jaw  
E. Nasal concha  
F. Palatine bone  
G. Vomer  
H. Zygomatic bone  
I. Maxilla

Not paired bones: ..................  
Paired bones: ..................

(One point will be awarded for each correct answer.)

9. Pair the sutures found on the cranial bones.  
3 points

A. Is located between the frontal bone and the parietal bone.  
B. Is located between the two parietal bones.  
C. Is located between the parietal bones and the occipital bone.

1. Coronal suture: ..................  
2. Lambdoid suture: .................  
3. Sagittal suture: .................

(One point will be awarded for each correct answer.)

Short answer questions

10. List the various parts of joints.  
6 points

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(One point will be awarded for each correct answer.)
11. List the various stages of childbirth in chronological order.  

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(Points may only be given, if the order was completely accurate.)

12. Fill in the missing parts in the table below.  

<table>
<thead>
<tr>
<th>Drugs</th>
<th>Effects, symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amphetamines, hallucinogens</td>
<td>bad breath, deep sleep, snoring breathing, pupils react weakly to light</td>
</tr>
<tr>
<td>Morphine, heroin</td>
<td></td>
</tr>
<tr>
<td>Organic solvents, inhalants (glues, paint thinners)</td>
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</tbody>
</table>

(1 point should be given for the missing drug, and 2 points each for the effects and symptoms.)

13. List the symptoms of skull fracture.  

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(One point will be awarded for each correct answer.)

14. Answer the following questions.  

Write your answer on the dotted line.

The concept of pressure ulcers:
.........................................................................................................................

Possible locations of pressure ulcers:

1. Patients lying on their backs: .................................................................
2. Patients lying on their sides: .................................................................

(2 points should be given if the concept is defined correctly, and 1 point each for the correct identification of the possible locations.)
15. Answer the following questions.  
Write your answers on the dotted line.  
6 points

What is passive immunisation?
………………………………………………………………………………….

What is the name of the blood vessel that runs into the left atrium?
………………………………………………………………………………….

Which antigen do the red blood cells of an individual with type “A” blood contain?
………………………………………………………………………………….

Which cavity of the heart does systemic circulation originate from?
………………………………………………………………………………….

What is a normal value for blood pressure?
………………………………………………………………………………….

What is the normal pulse rate of an adult?
………………………………………………………………………………….

(One point will be awarded for each correct answer.)

16. List the parts of the lung.  
3 points

………………………………………………………………………………….
………………………………………………………………………………….
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(One point will be awarded for each correct answer.)

17. List the factors that determine the severity of an electric shock.  
5 points

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(One point will be awarded for each correct answer.)
18. List internal organ changes (respiratory system, digestive system, motor system, senses) that can present in old age and identify their causes.
Write your answers on the dotted line. 7 points

(Respiratory system: 1 point, 2 points each for change in the digestive system, motor system and senses.)
Egészségügyi alapismeretek angol nyelven középszint

Név: ........................................................... osztály:......
<table>
<thead>
<tr>
<th>Topic</th>
<th>Question number</th>
<th>Maximum points</th>
<th>Points scored</th>
<th>Maximum points of topic</th>
<th>Points scored in topic</th>
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</thead>
<tbody>
<tr>
<td><strong>Multiple choice questions</strong></td>
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<td><strong>Short answer questions</strong></td>
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Correcting teacher

Date: ..................................