BIOLÓGIA
ANGOL NYELVEN

KÖZÉPSZINTŰ ÍRÁSBELI
ÉRETTSÉGI VIZSGA

JAVÍTÁSI-ÉRTÉKELÉS
ÚTMUTATÓ

NEMZETI ERŐFORRÁS
MINISZTÉRIUM
Guide to marking intermediate level papers

1. Always use **red ink**.
2. Put a tick next to each correct answer. **Each correct tick is worth one point.** Half a point is not to be given. If a question which is worth two points is answered correctly, put two ticks.
3. If there is a correct answer to a question which is not included in the marking scheme you can still accept it. The same applies to synonyms. (*e.g. erythrocyte – red blood cell)*
4. The equally acceptable answers are separated with a **backslash** (/).
5. **Add up the points** in the grey boxes at the end of each task.
6. At the end of the paper indicate the total points awarded for each **task in the final summary chart** and, by adding them up, work out the total score.
7. The **total score achieved in the paper has to be multiplied by 1.25** to give the total score in percentages for the written part of the examination. If the calculated total score is not an integer it has to be rounded according to the rules of rounding.
8. If the candidate is expected to **formulate an answer in full sentences** (*e.g. reasoning and explanations*) only grammatically correct sentences can be accepted. **Do not subtract points for spelling mistakes but do not accept grammatically ambiguous sentences either.**

Good luck for your work
I. **Insects and Fish**

*Each correct answer is 1 point.*

*This task is based on the following chapters of the Detailed Requirements: 3.4.2*

1. C  
2. D  
3. C  
4. B  
5. B  
6. A  
7. A  
8. D  
9. C

II. **Dangerous relationships**

*This task is based on the following chapters of the Detailed Requirements: 3.4.2., 3.4.3., 5.1., 5.1.2*

1. Into the phloem 1 point  
2. „This plant sap is very rich in glucose”.  
   The solution of organic substances are transported in the phloem. 1 point  
3. On the reverse side/ on the veins of the leaves 1 point  
4. They have an abdomen 1 point  
5. Chitin 1 point  
6. Parazitism 1 point  
7. Symbiosis 1 point  
8. Feeding relationship / predator – prey relationship 1 point  
9. The natural anemies of the parazytes harming the crop plants are propagated. 1 point  
10. Selective / does not harm other species. or:  
    No chemicals get into the food chain; or:  
    Plants do not get into contact with chemicals 1 point  
    *Alternative wording can also be accepted.*

*Source of text: David Attenborough: A gerinctelenek élete Kossuth Kiadó 2006 nyomán*

III. Digestion and absorption  10 points
This task is based on the following chapters of the Detailed Requirements: 4.4.2.
Each number written into its correct place is 1 point

IV. Peculiar slimming diet  11 points
This task is based on the following chapters of the Detailed Requirements: 4.4.5. and 4.8.4.

1. Thyroxin / trijod-thyronin  1 point
2. A D  1 point
3. A C  1 point
4. B C  1 point
5. A: thyroid cartilage/ larynx  1 point
   B: trachea  1 point
   C: thyroid gland  1 point
6. It cannot be recommended because  1 point
   it is very dangerous to interfere with the hormone system/
   it would upset the balance of hormones. (Other wording can also be accepted.)  1 point

7. Stimulate the activity of intestine / speeds up bowl movements / makes you feel full without taking in energy  1 point
   This method can also be recommended for humans  1 point
   (Other wording can also be accepted.)

The source of article: http://www.geographic.hu/index.php?act=napi&id=3596
The source of figure: www.ugr.es/~oncoterm/csdata/larynx.gif
V. Birds and Dinosaurs  
This task is based on the following chapters of the Detailed Requirements: 3.4.2 és 4.3.1
Figures: healthstones.com/…/velociraptor.jpg
www.geographic.hu/images/napihirek/3126.jpg

1. B and C 1 point
2. C and E 1 point
3. horn/keratin 1 point
4. lower arm/forelimb 1 point
5. C and E 2 points

VI. Sex cells  
This task is based on the following chapters of the Detailed Requirements: 2.3.4 and 6.2.1
Figure: www2.hu-berlin.de

1. B, because they are smaller / they are capable of active movements with help of their tail.
   Or other sound reasoning. The answer can only be accepted with reasoning. 1 point
2. a) ovary 1 point
   b) testis 1 point
3. F 1 point
4. T 1 point
5. T 1 point
6. T 1 point
7. T 1 point
8. T 1 point
9. F 1 point

VII. Muscles  
This task is based on the following chapters of the Detailed Requirements: 4.3.2 és 4.5.2
Each correct answer is 1 point.

1. C, E
2. A
3. B
4. E
5. D
6. B, D
7. C, E
VIII. Mendel’s laws 8 points
This task is based on the following chapters of the Detailed Requirements: 6.2.1-2
Photo: Bánkuti-Both-Csorba: Sokaság és történelem - kézirat
Each correct answer is 1 point.

1. Allele: alternative form of gene. (Other wording is also acceptable).
2. B
3. B
4. D
5. A
6. E
7. AB
8. E

IX. Population and community 9 points
This task is based on the following chapters of the Detailed Requirements: 5.1, 5.2.1, 5.4.1
Each correct answer is 1 point.

1. A
2. D
3. B
4. D
5. C
6. B
7. A
8. B
9. C