

DISTRIBUTED COMPETITION ASSIGNMENT SAMPLE

PSYCHOLOGY

10<sup>th</sup> Grade

Time needed to complete the tasks – 120 minutes

Maximum number of points – 100

There are four parts in this assignment.

*Part 1* consists of a psychology question which requires a detailed answer. *Maximum number of points – 15.*

*Part 2* consists of logical problems. *Maximum number of points – 25.*

*Part 3* is represented by a case which competitors should analyze. They are to give their solutions. *Maximum number of points – 30.*

*Part 4* is a task related to biology. *Maximum number of points – 30.*

**Part 1.**

**Answer the question. Briefly explain your answer.**

***Analyse, from the psychological point of view, the so-called hitchhiker effect when one trusts a person that they barely know more than their closest friends.***

**Hint:**

this is a widely known psychological phenomenon. There may be two explanations to this. One, a person understands that they will not see their fellow traveller again and are not worried that what they tell may be used against them. Two, a stranger will not judge them, thus encouraging them to tell more and more and to share even some of their biggest secrets.

**Part 2.**

**2.1. Solve the anagrams below and exclude the “intruder.” Solve the anagrams and write the extra word in a blank space below (5 points).**

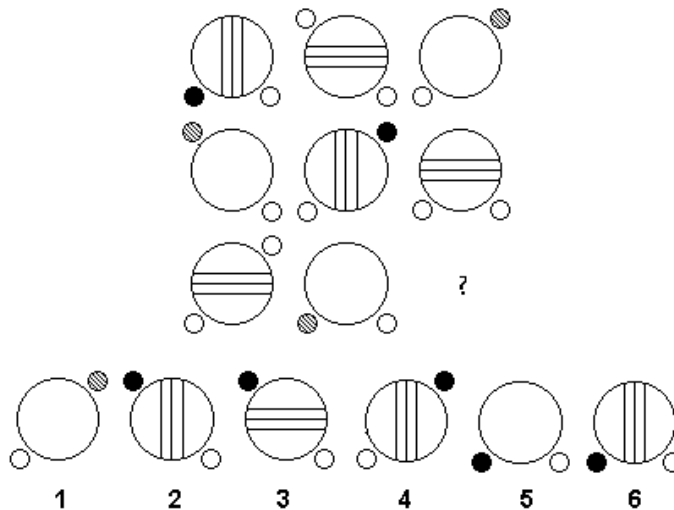
IMMWNISG  
 YLLVBOLEAL  
 LHBAANLD  
 SLBKLABTEA  
 YHCOEK

**Hint:**

*The correct answer is SWIMMING.* The anagrams are swimming, volleyball, handball, basketball, and hockey. Swimming is an individual sports while the others are the team ones.

**2.2. Solve logical problems:**

**2.2.1. Insert the missing figure by selecting it from the six numbered ones(5 points):**



**Hint:**

*The correct answer is 2.* The circle may not have lines or may have a horizontal / vertical line. Small circles can be in one of three positions, and they also have different shading.

2.2.2. Continue the sequence (5 points):

0 3 8 15 ?

**Hint:**

The correct answer is 24. Each following number increases by 3, 5, 7, and 9.

2.2.3. Insert the missing number (5 points):



**Hint:**

The correct answer is 63. The numbers in left-hand circles are to be divided by 2 and multiplied by 3:  $34/2=17$ ;  $17*3=51$ ;  $50/2=25$ ;  $25*3=75$ ;  $42/2=21$ ;  $21*3=63$ .

2.2.4. Insert the missing number (5 points):

474 (115) 359  
512 (...) 309

**Hint:**

The correct answer is 203. The number in parentheses is equal to the difference between the first and the third number:  $474-359=115$ ;  $512-309=203$ .

### Part 3.

**Analyse the case from the psychological point of view.**

In 1980s and 1990s, researchers studied several thousand photos from student yearbooks, newspapers, magazines, as well as photos of random people taken at stores, parks, or in the street. They have found that women smile a lot more often than men.

*In your opinion, what particular feminine traits of character does this study highlight? Name at least three of those. Hypothesise whether the results of the study are going to be the same if conducted today.*

**Hint:**

Competitors will presumably name features like friendliness. Smiling is a sign of openness and readiness to interact. Another trait of character that may be named is women's tendency to reciprocity in relationships. Moreover, ability to empathize should also be mentioned. The foundation of friendliness, readiness to interact, and reciprocity in relationships lies in the ability to understand and correctly interpret the emotions of those around you. These qualities are socially driven because they are a part of social interactions. These qualities are formed by different social expectations from boys and girls.

Whether the results of the study are going to be the same should be explained by referencing socially driven traits of character and citing examples of today's social norms and expectations.

**Part 4.**

**Answer the question.**

**Basic negative emotions are generally viewed as something that should be avoided. This is reflected in various proverbs and sayings. Can they have a positive effect on human body from the biological and physiological point of view? Cite suitable examples.**

**Hint:**

When answering the question, competitors should rely on their knowledge in biology. Giving an excellent answer presupposes the understanding that all basic emotions, including the so-called negative ones, are necessary to interact with the environment. For example, anger temporarily increases human body's stamina and self-defence which is useful in a dangerous situation. Sadness, on the other hand, hampers physical and mental activity, acting as a "safety lock" from excessive stress. Disgust allows the body to avoid potentially dangerous contact, for example, with poisoned food, a potentially sick person, etc. It is important to understand that this refers to moderate manifestations of negative emotions, while the extreme manifestations of emotions, including positive ones, is stressful for the body and can induce negative consequences.