

<i>To be filled in by the Jury. Please don't leave any comments here!</i>					
CODE	Part 1	Part 2	Part 3	Part 4	Total
	Max 20	Max 20	Max 30	Max 30	Max 100

PSYCHOLOGY

11th Grade

Variant 2

to be completed within 120 minutes

Maximum score – 100 points

This assignment includes four parts.

Part 1 - a question on psychology requiring a detailed answer. The maximum score for this task is 20 points.

Part 2 - 4 assignments to test your logical thinking. The maximum score for this task is 20 points.

Part 3 - you will need to analyze a case and offer your own solutions. The maximum score for this task is 30 points.

Part 4 - a task in biology. The maximum score for this task is 30 points.

Part 1.

Answer the question below. Briefly explain your answer.

What is the difference between human memory and computer memory? Give a detailed answer.

Part 2.

2.1. One of the words in each line below is superfluous, as it does not fit with the other words. Choose one correct answer for each question. Write your answers in the table below “The key to tasks in Part 2.1.”.

1. a) narcissus, b) gladiolus, c) snowdrop, d) chrysanthemum, e) tulip.
2. a) echidna, b) crocodile, c) skunk, d) beaver, e) doe.
3. a) Morocco, b) Vietnam, c) Cambodia, d) Philippines, e) Thailand.
4. a) forward, b) backward, c) right, d) centre, e) left.
5. a) compass, b) scales, c) watch, d) bow compass, e) glasses.
6. a) ostrich, b) rook, c) swallow, d) eagle, e) condor.
7. a) album, b) copybook, c) pen, d) notebook, e) diary.
8. a) waltz, b) foxtrot, c) rhythm, d) flamenco, d) tango.
9. a) pine, b) cypress, c) spruce, d) maple, e) larch.
10. a) magnificent, b) splendid, c) royal, d) excellent, e) wonderful.

The key to tasks in Part 2.1.:

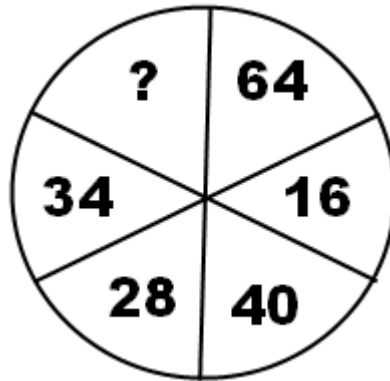
Question	1	2	3	4	5	6	7	8	9	10
Answer										

2.2. Solve the following logical problems:

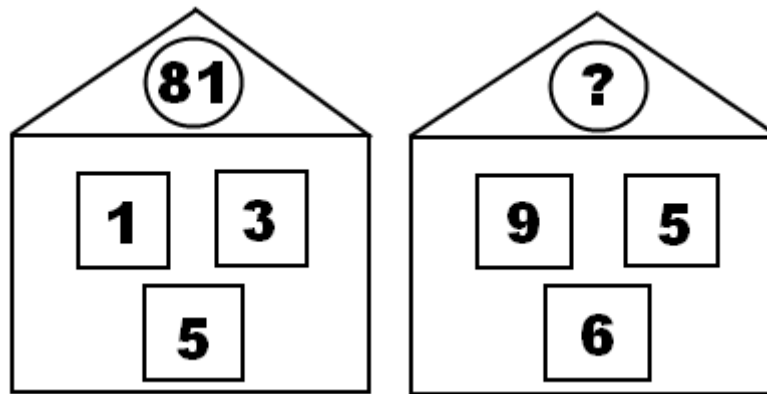
2.2.1. Set the correct sequence (2 points):

1; 1; 5; 2; 25; 4; 125; 8; ?; ?

2.2.2. Insert the missing number (4 points):



2.2.3. Insert the missing number (4 points):



Part 3.

Analyze the case in terms of psychological mechanisms.

Read excerpts from a report on the experiment results and try to reconstruct the step-by-step sequence of events to the maximum possible extent. Support your answer with detailed arguments.

Provide your opinion as to which research materials were used, what task was posed before the test subjects, how many different modalities/formats were used, whether or not all subjects were required to provide their assessments for all formats

and, if so, why it was necessary. In your opinion, what was the question the authors had in mind when designing this experiment?

“Firstly, we should mention that in the first two formats, i.e. video+sound and silent video format, actors were perceived in exactly the same way – in terms of all four components of trust perception. In other words, presentation of video interviews vs. silent video interviews does not change trust perception levels among subjects. However, we did find statistically significant differences in trust perception between video formats vs. photo and voice recording format. The subjects demonstrated a higher level of trust with respect to actors whom they could see in the video rather than those whom they could see on a photograph or whose voice they heard.

The reason for this may be that the latter subjects did not have an opportunity to see all personal facial expressions of actors or observe the dynamic change in their non-verbal behavioural patterns during the interviews. Oral representation proved to be less important in terms of trust perception as compared with visual observation. A person pays more attention to the non-verbal aspects of communication rather than to the actual words being said and the dynamic characteristics of a speech. We should also mention that there was no statistically significant difference between the trust perception of photographs featuring faces and the audio file with an actor’s voice.

*On the other hand, the study suggests different results in terms of "sincerity-
insincerity" assessment. Statistical analysis shows that audio recording stands out among the three other formats (video+sound, silent video and photograph). Test subjects tend to think the actors are more sincere if they hear their voice, rather than in any other formats. Visual stimuli, facial expressions and their dynamics even made the subjects doubt the sincerity of actors more. In comparison with all other formats, photographs have demonstrated greater levels of mistrust, suspicion and insincerity.*

We should mention one more important feature that our study uncovered. This time it had to do with the "charming-unattractive" scale. Our study suggests that actors tend to get higher scores in terms of ‘charm’ for their photographs, even though this format, as we have shown above, is the least effective with trust perception. Therefore, our results have confirmed that the statement "we tend to have more trust in beautiful people" is not always true”.

The last decade of the 20th century has brought us greater awareness about the role of microorganisms in human health. In your opinion, what role do the microbes play in a human's higher nervous functions? How is a person's behaviour related to their microbiological state? Provide a detailed answer.
