


**Task A** Drawing task: 'Space Geometry'

In a regular tetrahedron, the points dividing each edge into 3 equal sections were determined. Each of the vertices of the tetrahedron was cut off by a plane passing through the 3 points closest to it.

You task is to:

1. Draw the resulting polyhedron in axonometry. (6 points)
2. Draw the grid of this polyhedron. (2 points)
3. Calculate what the surface area of this polyhedron is if the surface area of the tetrahedron is P. (2 points)
4. Calculate what the volume of this polyhedron is if the volume of the tetrahedron is V. (3 points)
5. Write what type of polyhedron it is.( 1 point)
6. Describe the properties of this type of polyhedra. (1 point)

Scoring table completed by the Faculty Examination Board			Qualifying test of predisposition to the profession of architect 2025				Test duration <b>2,5 hours</b>
	Task	A	B	C	D	Sum max 60	
	Points awarded						
	Examiner						
	Verification						
	Signatures						

Assessment criteria 1 (6), 2 (2) – correctness, legibility, proportions 3 (2), 4 (3), 5 (1), 6 (1) - correctness	points <b>15</b>	rating:
--	------------------	---------

**Task B** Drawing task: 'My hero'

Design an abstract spatial form to commemorate a famous fictional film character. Present the form in three projections (front, top and side) and in axonometry or perspective. Describe in two sentences the personage that the designed form commemorates.

Assessment criteria correctness of projections and completeness of the study (5) creativity and readability of references to characters (5) composition and aesthetics of the drawing (5)	points <b>15</b>	rating:
--	------------------	---------

**Task C** Drawing task: 'Style meeting'

Imagine a place where two architectural styles from different eras meet (e.g. Gothic and modernism, Baroque and contemporary architecture). Your task is to draw a fragment of urban space in which buildings representing different styles stand next to each other. Show interaction between the buildings (contrast, harmony, conflict). Add context elements (e.g. trees, people, benches), but focus on architectural forms. You can be inspired by existing buildings or design your own interpretations of a given style and present part of a street, square or other part of a city.

Assessment criteria correctness of the stylistic elements and completeness of the study (5) creativity (5) composition and aesthetics of the drawing (5)	points <b>15</b>	rating:
---	------------------	---------

**Task D** Drawing task: 'Design of a functional space in a limited area'

You have a space of 8m x 8m x 8m at your disposal. Your task is to design an enclosure for chimpanzees (A chimpanzee is an ape whose average height is 70-90 cm. Chimpanzees have their own culture, use simple tools and consciously pass on knowledge to their descendants). The enclosure is designed for 5 individuals and will contain at least three different zones: A. Play zone, B. Sleep zone, C. Feeding zone, D. Other. Present the solution in an axonometric drawing.

Requirements:

- You need to take into account the flow of traffic between zones and ensure that the space remains ergonomic.
- You can use different levels (floors) and materials, but you cannot change the basic dimensions of the enclosure.
- Label each zone (A, B, C...) explaining the functional solutions with a drawing.

Assessment criteria correctness of proportions and completeness of the study (5) creativity (5) composition and aesthetics of the drawing (5)	points <b>15</b>	rating
--	------------------	--------