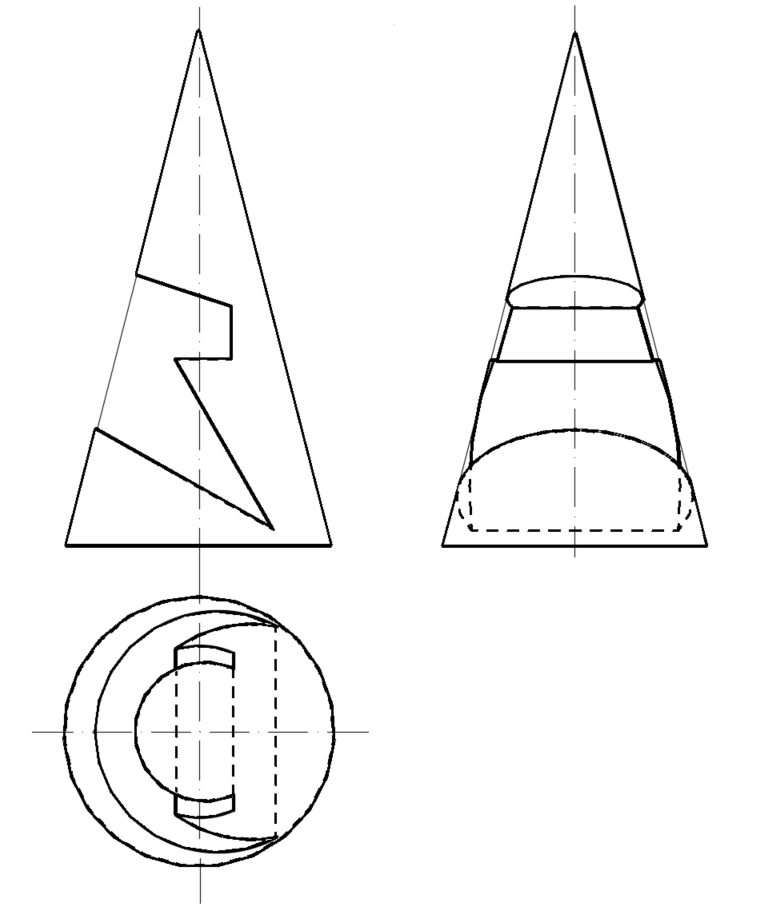
***Result:***

Frontal, horizontal and profile projections of the cone cut with 5 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. The planes α and ε are not mutually parallel, they intersect on the left side of the cone.
2. The planes α and γ mutually intersect outside of the solid, so their intersection would break the cone’s outline.
3. Intersection of the planes α and δ also would divide the solid, because they mutually intersect outside of it.
4. Types of sections: α - ellipse, β - hyperbola, γ - circle, δ – ellipse, ε - ellipse