# Time: 45 min. 20 points

## Task 1

On the map (Fig. 1), draw the path you followed from T1 to T2.

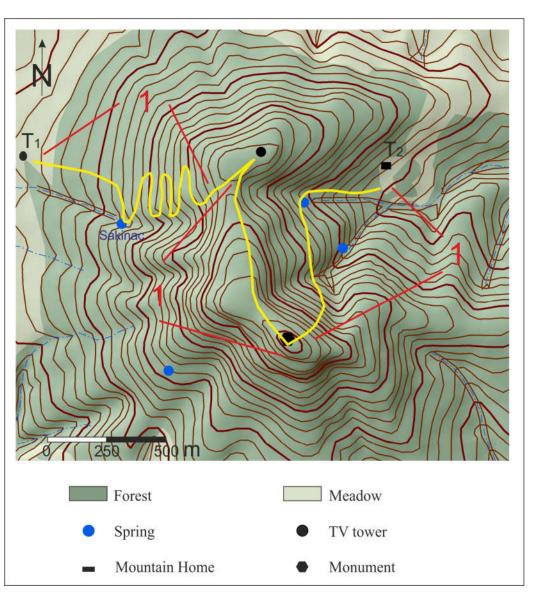


Fig. 1 - the Map of Avala

### Task 2

Looking at the geological profile of Avala (Fig. 2), explain how the landforms of Avala were formed.

- Intrusive magmatism made dome like shape (laccolite) from previous relief (2 pts)
- Pannonian see and lake sediments covered Avala (2 pts)
- Fluvial and torrent erosion washed sediments from the upper part of Avala (2 pts)

(3 pts)

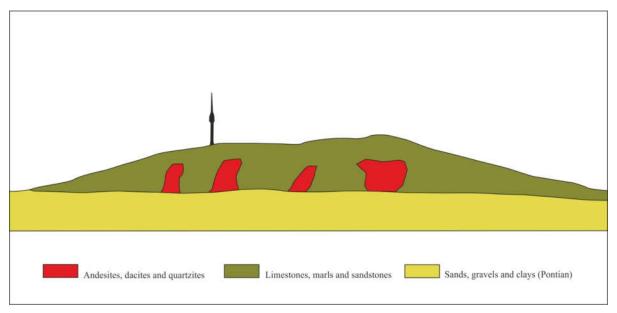


Fig 2. – Geological profile of Avala Mountain

#### Task 3

How could the position of springs on Avala be explained? How do you explain this kind of position of springs on Avala?

- Position is situated on the contact between impermeable sediments (Pontian) and limestone and sendstone (1,5 pts)

- Similar level of impermeable sediments (Pontian) around Avala (1,5 pts)

(3 pts)

#### Task 4

Which landforms are the most prominent in Avala and which geomorphological processes created them?

- gully/brook/raven (2 pts); channel by creeks/tranches by springs (1 pts)
- Made by torrent flow/flash flood/made after heavy rain (2 pts); by river erosion (1 pts)

(4 pts)

#### Task 5

What technical measures prevented the occurrence of natural disasters in Avala? How do these technical measures work?

- Dams/barriers/walls/obstacles (2 pts) / channel (2 pts)
- Preventing torrent flow and retain mad, sand and gravel (2 pts) / preventing landslide (2 pts)

(4 pts)