

Surveying – BMEEOAFS701
Questions to prepare for the 2nd test

Topics of the 2nd midterm test. Try to answer each and every question using keywords. Drawing a figure is preferable to a long text. Short lists are also welcome. Find the answers using your own lecture notes. If you cannot find them despite having attended almost all the lectures do not hesitate to get in touch with the lecturer.

1. The definition of a digital terrain model
2. Steps of creating a digital terrain model
3. Applications of digital terrain models
4. Working with contour lines derived from digital terrain models
5. Volume computation using the grid method
6. Volume computation using cross sections
7. Steps of horizontal setting out
8. Setting out a straight line
9. Setting out a right angle
10. Setting out an arbitrary angle
11. Ways of marking points after setting out
12. Steps of developing a setting out plan
13. Profile boarding
14. Why do you need professional surveying techniques while controlling the building of reinforced concrete structures?
15. Construction tolerances
16. Geometric quality control carried out by land surveyors
17. Using surveying in movement detection
18. Most important causes of movements
19. Aims of movement detections
20. Documentation of a movement detection project
21. Land registry in Hungary
22. Contents of a property sheet in land registration
23. Objects on cadastral maps
24. Land registration and reality. Are they the same or not? Tolerances.
25. Legal proceedings concerning parcels

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