Name: Lecture 2: Seepage / consolidation

**Short questions (1% each, answer not longer than 50 words + figure – equation)**

1. Why the wet and dry unit weight of soil changes only slightly? How to compute wet unit weight having dry unit weight and other soil parameters?

2. How the pore pressures are computed in undrained analysis in FEM?

3. What are the assumptions related to water bulk modulus? How do they may influence the analysis results?

4. What are sources of error in consolidation analysis?

5. How the consolidation analysis takes into account changing water pressure in time?