ORAL EXAM

1. Continuous functions of 1 real variable, Theorems.
10. Autonomous differential equations of the 1st order. Trajectories.
11. Linear differential equations of the second order with constant coefficients.
13. Lyapunov stability by the 1st approximation.
17. Line integrals. Definition, potential theory.
20. *

Literature:

Thomas’ Calculus by Thomas, G.B. et al. Several editions, e.g. Addison-Wesley, (ISBN0321185587)