

Demonstration version

Direction:

28.04.01 Nanotechnology and Microsystem Technics

№	Task	Points
1	During the last stage of crystal growth from the melt by the Czochralski method one grows an inverse conus at the crystal end. Why is it needed?	20
2	Describe the role of overcooling in the process of crystallization.	20
3	What is the influence of temperature and duration of the process on diffusion?	20
4	How is it possible to obtain an amorphous layer on top of a single crystal?	20
5	How is it possible to observe dislocation and dislocation lattice in a semiconductor crystal?	20