



**State exam questions  
Mechanical Engineering BSc  
Automotive Production Process Control specialization**

**Manufacturing processes**

1. Solutions of assembly dimension chain. The rules of the solution of the locking dog or any missing components. Determination of the tolerances.
2. The main steps of assembly technology designing. The types of the assembly tree. Designing of assembly operation.
3. Assembly systems. The assembly of rolling bearings.
4. The structure and possibilities of CAD – CAM systems in the manufacturing designing. The main type and structure of CNC machines.
5. Working out of the technological process of work piece production. Operation process planning. Manufacturing planning. Manufacturing step planning. Analysis of trochoid milling technology.
6. The establishment of modern work piece clamping devices. Determination of the technological parameters for turning and milling operations.
7. Describe the main point of the 8D document!
8. Describe the definitions of APQP and PPAP methods!
9. Describe the 7 basic tools of quality management!
10. Describe the definitions of audit, describe two examples!