**1 задание.**

 1.Automation is a system of manufacture designed to extend the capacity of machines to perform certain tasks formerly done by humans, and to control sequences of operations without human intervention.

2. In the fields of communications, aviation, and astronautics, for example, such devices as automatic telephone switching equipment, automatic pilots, and automated guidance and control systems are used to perform various operations much faster or better than could be accomplished by humans.

3.Automated manufacture arose out of the intimate relationship of such economic forces and technical innovations as the division of labor, power transfer and the mechanization of the factory, and the development of transfer machines and feedback systems as explained below.

4.Division of labor - the division of a particular labor into subspecies, operations performed by various people in one enterprise,

5. In manufacturing, the division of labor results in increased production and a reduction in the level of skills required of workers.

 6.Mechanization was the next step necessary in the development of automation. The simplification of work made possible by the division of labor also made it possible to design and build machines that duplicated the motions of the worker.

7.The development of power technology also gave rise to the factory system of production, because all workers and machines had to be located near the power source.

8.The transfer machine is a device used to move a work piece from one specialized machine tool to another, in such a manner as to properly position the work piece for the next machining operation.

9.Industrial robots, originally designed only to perform simple tasks in environments dangerous to human workers, are now extremely dexterous and are being used to transfer, manipulate, and index (that is, to position) both light and heavy workpieces, thus performing all the functions of a transfer machine.

10T.he goal of this assembly-line system was to make automobiles available to people who previously could not afford them.

 **2 задание.**

1.Automation
2.Labor and mechanization
3.Independed
4.Mechanization
5.Motorized
6.Power
7.Work piece
8.Simple
9.Assembly-line

 **3 задание.**

1.True

2.False

3.True

4.False

5.False

6.True

7.True

8.False

9.True

10.False