**1**.

AC motors - двигатель переменного тока
synchronous motors - синхронные двигатели
induction motors - асинхронные двигатели
field magnets - полевые магниты
repulsion-induction motor - асинхронный двигатель отталкивания
universal motors - универсальный двигатель
household appliances - бытовая техника
a commutator – коммутатор
squirrel-cage - короткозамкнутый
the shaft - вал
armature - арматура
the speeds of rotation- скорости вращения
single-phase - однофазный
frequency – частота

**2.**

1. How many basic types of motors are designed to operate on polyphase alternating current, synchronous motors and induction motors?
2) Does the synchronous motor is essentially a three-phase alternator operated in reverse?
3) What are mounted on the rotor and are excited by direct current?
4) The simplest of all electric motors is the squirrel-cage type of induction motor used with a three-phase supply, isn't it?
5) They are usually made only in small sizes and are commonly used in household appliances, don't they?
6) What is the AC type?
7) Single-phase squirrel-cage motors have or haven't a large starting torque for applications where such torque is required?
8) What voltage is often used in alternators?
9) At what angle should the armature windings be set so that the current is generated as a triple wave? 10) What does it measure in cycles?