polyphase alternating current - многофазный переменный ток

synchronous motors and induction motors - синхронные двигатели и асинхронные двигатели

armature winding - обмотка якоря

fall out of step – выходить из строя

squirrel-cage type of induction motor - короткозамкнутый тип асинхронного двигателя

 imbedded – встроенный

1. Is the constant speed of a synchronous motor advantageous in certain devices?
2. What is the simplest of all electric motors?
3. What does the rotating member consist of?
4. Most large electric generators are of the AC type, aren’t they?
5. Are voltages as high as 13 200 or more common in alternators?
6. What synchronous motors can be made from?
7. What will the simple generator without a commutator produce?
8. What current is called two-phase alternating current?
9. Is the constant speed of a synchronous motor advantageous in certain devices?
10. Are universal motors usually made only in small or big sizes?

The text is about AC motors and generators.

The author of the text describes principles of operation of two basic types of motors and AC generators.

The text states that the simplest of all electric motors is the squirrel-cage type of induction motor used with a three-phase supply.

The next point deals with alternating current that the simple generator without a commutator produces and that is advantageous for electric power transmission.