Dept.: CSE (16th Batch, Section: B)   CT-02   Total Marks:15   Time: 20 minutes

a. Write down the *necessity of parallel* condition and its conditions.   **05**

b. Briefly describe the synchronous condenser.   **05**

c. Determine the prime mover speed to generate 50Hz frequency in output when number *of pole* is 2 or 3.   *05*