

**Dept.: CSE (16<sup>th</sup> Batch, Section: A)   CT-04   Total Marks:15   Time: 20 minutes**

- a. Write down the necessity of parallel condition and its conditions.   **05**
- b. Draw the circuit diagram of a 3 phase synchronous generator.   **05**
- c. Determine the prime mover speed to generate 50Hz frequency in output when number of pole is 2   **05**