## **EEE 363.1**

## Quiz # 2

**Total marks: 20** 

Time: 20 mins

## [Answer all the questions]

- 1. What purpose the 'Short Circuit' test is done on a transformer for? What are the measures taken to minimize the eddy current loss in a transformer? [3+3]
- 2. What measures are taken for cooling of the transformer? How can you overcome the effect of initial current inrush in a transformer? [4+3]
- 3. On what particular occasion do we need to use autotransformer? Below is given the diagram of a conventional transformer. Show the necessary connections required in order to convert it to a step-up autotransformer? [2+5]

