

**EEE 363.1**  
**Quiz # 2**  
**Fall 2020**  
27-12-2020

1. What purpose the 'Open Circuit' test is done on a transformer? What are the measures taken to minimize the Hysteresis loss? [3+2]
2. What is the purpose of using oil in a transformer? What is the function of 'breathers' in a transformer? [3+2]
3. On what particular application 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-down autotransformer? [2+3]

