

National Institute of Technology Calicut
Department of Physics
Thin Film Technology PH3024
Test 1 Examination, Winter Semester February 2015

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Duration: 1 hour

Max Marks: 20

Answer all questions

1. Discuss the working principle of rotary pump with a neat diagram. (5 Marks)
2. Explain the working principle of McLeod gauge with a neat diagram. (5 Marks)
3. Discuss the classification of vacuum ranges. (2 Marks)
4. Draw the schematic picture of diffusion pump. (2 Marks)
5. Explain the working principle of sputter ion pump. (2 Marks)
6. Discuss the classification of pressure gauges. (2 Marks)
7. Explain the working principle of hot cathode ionization gauge. (2 Marks)
