

In the name of God

Department of Physics
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ADVANCED STATISTICAL MECHANICS I

Exercise Set 7

(Due Date: 1400/10/17)

1. Solve exercise of chapter 4 (R. K. Pathria): Q1, Q3, Q7, Q12, Q13
2. For a given system with changing in volume, construct relevant grand canonical partition function. Determined the corresponding Lagrange multiplications. Interpret your result.

Good luck, Movahed
