



**UNIVERSITY OF NORTH BENGAL**

B.Sc. Honours 3rd Semester Examination, 2020

**CC6-PHYSICS**

**THERMAL PHYSICS**

Full Marks: 40

**ASSIGNMENT**

*The figures in the margin indicate full marks.  
All symbols are of usual significance.*

*For each question, the candidates will be graded according to the quality of the presentation of the topic (8 marks) and originality of language (2 marks).*

*Maximum word limit of each topic is 400.*

**Write short notes on any four of the following topics**

10×4 = 40

1. Applications of first law of thermodynamics.
2. Concept of entropy.
3. Various forms of  $TdS$  equation and their importance.
4. Thermodynamics phase transitions.
5. Maxwell's velocity distribution law.
6. Andrew's experiments on  $\text{CO}_2$ .

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