DEPARTMENT OF PHYSICS

R.C.S. COLLEGE, MANJHAUL

(A CONSTITUENT UNIT OF L.N. MITHILA UNIVERSITY, DARBHANGA)

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Ref. No. ..... **Assignment** Date .....

Subject: **Physics**

Name of the Course: **-Thermal Physics & Thermodynamics**

Course Code: **MICPHY03**

Semester: **Semester-III,** Session**: 2024-2028**

Answer all questions.

Q.1

Derive an expression for the Van der Waal's equation of state for real gases.

Q.2

State Zeroth law of thermodynamics and prove that it leads to the concept of temperature.

Estd - 1965 RCS COLLEGE, MANJHAUL

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Ref. No. .....

Date .....

Assignment

Subject: **Physics**

Name of the Course: - **Acquaintance of Electrical and Electronic Appliances**

Course Code: **MDCPHY03**

Semester: **Semester-III,** Session**: 2024-2028**

Answer all questions.

Q.1

State and prove Ohm's Law.

Q.2

Write a note on p-n junction diode.