

R.S.P College

Dept. of Physics

Internal Question

Semester III

F.M 20

Write any two of them. All question carries equal marks.

Core V

Q1. What is Sine and cosine function ?

Q2. What is Maxwell Boltzman Law ?

Q3. What is J-T effect for perfect gas ? what is Vaander walls Equation?

Q4. What is Thomsons cooling?

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Core 6

Q1. What is Zeroth law of thermodynamics ?

Q2. What is carnot cycle?

Q3. Deduce Expression for Classiusclapeyronequation .

Q4. Deduce relation between C_p and C_v .

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Core 7

- Q1. What is barrier potential ?
- Q2. Deduce expression for half wave rectifier?
- Q3. What is two stage RC cupled amplifier?
- Q4. What is colpitts oscillator?