

NEHRU MEMORIAL COLLEGE, SULLIA
DEPARTMENT OF PHYSICS
LINK OF ONLINE CLASS

FACULTY NAME: SATHYAPRAKASH D

Class I B.Sc

Topic: Vector Calculus

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Class II B.Sc

Topic: Interference

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Class III B.Sc

Topic: Atomic Spectra

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Topic: Bipolar Junction Transistor

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FACULTY NAME: PAVANA B

Class I B.Sc

Introduction to thermal physics

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<https://drive.google.com/file/d/1Cp9nSiCzdlqffh-DvW7A4PeeJ5hAspVd/view?usp=sharing>

Adabatic Process

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Isothermal Process

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<https://drive.google.com/file/d/1O3kJDXGaV9OOWUicOJalcnLdYC93VD9p/view?usp=sharing>

Carnot's engine

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<https://drive.google.com/file/d/1SK-Q2DFG5sOabeWc93eTCQbKPYP45Gt4/view?usp=sharing>

Carnot's cycle

https://drive.google.com/file/d/1VPVGUDY_NR7GMk9i3gZ4wMwmHgvcbgR/view?usp=sharing
https://drive.google.com/file/d/1VPi9i_lpoxpNDyKQXdlH8UiEbx3bxHo0/view?usp=sharing

Efficiency of Carnot's engine

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<https://drive.google.com/file/d/1YkjtVnnlDoOt-FLZYn6XGIV-ts8fSI-3/view?usp=sharing>

Reversible Carnot's engine

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https://drive.google.com/file/d/1_kZO8TcWsL8cRetGaS4opSYyV1xLZtnM/view?usp=sharing

Clausius Clapeyron equation

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Class II B.Sc

Black Body radiation

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Wien's and Rayleigh Jean's law

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<https://drive.google.com/file/d/11t5dBo0-CdONB3rO3b240SqZuJtiXyXz/view?usp=sharing>

Planck's law of radiation

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https://drive.google.com/file/d/15_-YdD6CdnrqNdbgTCURbLJ9U-EPyx_o/view?usp=sharing

Solar Constnt

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<https://drive.google.com/file/d/16NZIfVrP8mT-iAYqArsyVcCjAqAhvz-t/view?usp=sharing>

Laser

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He-Ne laser

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Semiconductor laser

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Elective paper

Introduction to current

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Current through the conductor

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Ohm's law

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Resistivity

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Combination of resistance

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Capacitors

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Class III B.Sc

M-B statistics

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B-E and F-D statistics

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https://drive.google.com/file/d/1-pGloP19hwupjcizcBE7aj4UhhqrJ_yz/view?usp=sharing

Einstein's theory of specific heat

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<https://drive.google.com/file/d/14Ocjd4OUwldA5nMqfiCsFlw1J1Ymaz4B/view?usp=sharing>

Debye's Theory of specific heat

<https://drive.google.com/file/d/14sXwhWjbNn1jhURN0pjoDpvmV4zlgVsk/view?usp=sharing>
https://drive.google.com/file/d/17Bg0TN5MFnB_scZldyufen0N2cZ3PfRt/view?usp=sharing

Debye's Theory (variation with temperature)

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Dulong and petit's law

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Nanomaterials

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Application of nanomaterials

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Molecular spectra

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Rotational spectra

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Vibrational spectra

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Electronic spectra

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<https://drive.google.com/file/d/1Ou4bvNFlvwdDgOQSFs0Z13iWsUniy5ya/view?usp=sharing>

Rayleigh scattering

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Raman Effect

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Quantum Theory of Raman effect

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Raman and IR spectra

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Dual Nature of Matter

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