



Department of Physics

Rishi Bankim Chandra Evening College

Naihati, North 24 Parganas, PIN - 743165, West Bengal, India

Phone: (033) 2581-1281 ♦ Email: physics@rbcec.in

Ref. No. *RBCEC/Phys/2022/2*

Date: *19.07.*
06.09.2022

Course Distribution for B.Sc. Physics General Course 2022-23

(Based on CBCS syllabus of West Bengal State University)

Semester I (September 2022 to February 2023)

3.1 GE T1 - Mechanics

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Mathematical Methods

Particle Dynamics

Gravitation

Oscillations

Elasticity

Special Theory of Relativity

Resource Person

Prof. Abhisek Adhikari

Dr. Debojyoti Halder

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Prof. Abhisek Adhikari

Dr. Debojyoti Halder

Dr. Debojyoti Halder

Debojyoti Halder
Head.



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Ref. No. RBCEC/Phys./2022/3

Date: 19.07.2022

Course Distribution for B.Sc. Physics General Course 2022-23 (Based on CBCS syllabus of West Bengal State University)

Semester III (August 2022 to January 2023)

3.5 GE T3 - Thermal Physics and Statistical Mechanics (PHSGCOR03T)

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Resource Person

Laws of Thermodynamics
Kinetic Theory of Gases
Theory of Radiation

Dr. Debojyoti Halder

Thermodynamical Potentials
Statistical Mechanics

Dr. Suman Paul

Suman Paul

Debojyoti Halder

(Dr. Debojyoti Halder)
Head of the Department



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Ref. No. RBC/Phy/2022/4

Date: 19.07.2022

Course Distribution for B.Sc. Physics General Course 2022-23 (Based on CBCS syllabus of West Bengal State University)

Semester V (August 2022 to January 2023)

3.9 DSE 1 - Modern Physics (PHSGDSE02T)

No. of Lectures: 75 Lectures

6 Credits

Course Matter

Relativistic Dynamics
Wave-particle Duality
Wave-function Description
Stationary State Problems

Resource Person

Dr. Suman Paul

Quantum Theory of Light
Bohr's Model
Atomic Physics
Nuclear Physics
X-rays and Crystal Structure of Solids

Dr. Debojyoti Halder

(Dr. Debojyoti Halder)
Head of the Department