

SGK GOVERNMENT DEGREE COLLEGE

VINUKONDA, PALNADU DISTRICT – 522647



PG ENTRANCE COACHING

02-01-2024 to 17-02-2024

2023-24

CONDUCTED BY

DEPARTMENT OF PHYSICS

STUDENTS PARTICIPATION LIST

The department of Physics has conducted coaching classes for PG Entrance Examinations and the following students have participated.

S. No	Group	Course	Regd. No	Name of the Student	Gender
1	III B.Sc.	M.P.Cs	Y213099064	Paladugu Maheswari	Female
2	III B.Sc.	M.P.Cs	Y213099070	Shaik Zakira Roshan	Female
3	III B.Sc.	M.P.Cs	Y213099053	Jeedimalla Bhanu Prasad	Male
4	III B.Sc.	M.P.Cs	Y213099066	Pasumarthi Rahimunnisa	Female
5	III B.Sc.	M.P.Cs	Y213099049	Banka Guravamma	Female
6	III B.Sc.	M.P.C	Y213099041	Kandeti Nagalakshmi	Female


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ATTENDANCE SHEET

S. No	Name of the Student	02.01.2024	03.01.2024	03.01.2024	04.01.2024	05.01.2024	06.01.2024	08.01.2024	09.01.2024	10.01.2024	11.01.2024	12.01.2024	19.01.2024	20.01.2024	22.01.2024	23.01.2024	24.01.2024	25.01.2024
1	Paladugu Maheswari	p	p	p	A	p	p	p	p	p	p	p	p	A	p	p	p	p
2	Shaik Zakira Roshan	p	p	A	p	p	p	p	p	p	A	p	p	p	p	p	p	p
3	Jeedimalla Bhanu Prasad	p	p	p	p	p	A	p	p	p	p	p	p	p	p	A	p	p
4	Pasumarthi Rahimunnisa	p	p	p	p	p	p	p	p	A	p	p	p	p	p	p	p	p
5	Banka Guravamma	p	p	p	p	p	A	p	p	p	p	p	p	p	p	A	p	p
6	Kandeti Nagalakshmi	p	p	A	p	p	p	p	p	p	A	p	p	p	p	p	p	p

S. No	Name of the Student	27.01.2024	29.01.2024	30.01.2024	31.01.2024	01.02.2024	02.02.2024	03.02.2024	05.02.2024	06.02.2024	07.02.2024	08.02.2024	09.02.2024	12.02.2024	13.02.2024	14.02.2024	15.02.2024	16.02.2024	17.02.2024
1	Paladugu Maheswari	p	A	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
2	Shaik Zakira Roshan	p	p	p	p	p	p	p	p	p	A	p	p	p	p	p	p	p	p
3	Jeedimalla Bhanu Prasad	p	p	p	p	p	A	p	p	p	p	p	p	p	p	A	p	p	p
4	Pasumarthi Rahimunnisa	A	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	A
5	Banka Guravamma	p	p	p	p	p	p	p	A	p	p	p	p	p	p	A	p	p	p
6	Kandeti Nagalakshmi	p	p	A	p	p	p	p	p	p	A	p	p	p	p	p	p	p	p

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TIME TABLE

S. No	Date	Name of the Topic
1	02.01.2024	Coulomb's law, Gauss's law
2	03.01.2024	Electric field and potential
3	04.01.2024	Solution of Laplace's equation for simple cases
4	05.01.2024	Conductors, capacitors, dielectrics
5	06.01.2024	Biot-Savart law, Ampere's law
6	08.01.2024	Faraday's law of electromagnetic induction, Self and mutual inductance
7	09.01.2024	Displacement current, Maxwell's equations
8	10.01.2024	Inertial frames and Galilean invariance
9	11.01.2024	Postulates of special relativity. Lorentz transformations
10	12.01.2024	Length contraction, time dilation. Relativistic velocity addition theorem
11	19.01.2024	mass energy equivalence
12	20.01.2024	Blackbody radiation, photoelectric effect
13	22.01.2024	Compton effect, Bohr's atomic model
14	23.01.2024	Wave-particle duality, Uncertainty principle
15	24.01.2024	Schrödinger equation and its solution for one-, two- and three-dimensional boxes
16	25.01.2024	Radioactivity and its applications. Laws of radioactive decay
17	27.01.2024	Crystal structure, Bravais lattices and basis
18	29.01.2024	Miller indices. X-ray diffraction and Bragg's law
19	30.01.2024	Intrinsic and extrinsic semiconductors
20	31.01.2024	P-N junction diode, Zener diode
21	01.02.2024	BJT: characteristics in CB, CE, CC modes
22	02.02.2024	Boolean algebra: Binary number systems; conversion from one system to another system
23	03.02.2024	Logic Gates, Truth tables; combination of gates; de Morgan's theorem
24	05.02.2024	Taylor expansion, Fourier series
25	06.02.2024	Vector algebra, Vector Calculus
26	07.02.2024	Divergence theorem, Green's theorem, Stokes' theorem
27	08.02.2024	Motion under a central force, Kepler's laws
28	09.02.2024	Rigid body motion, fixed axis rotations
29	12.02.2024	Interference
30	13.02.2024	Diffraction
31	14.02.2024	Polarization
32	15.02.2024	Lasers
33	16.02.2024	Aberrations and Fibre optics
34	17.02.2024	Thermodynamics

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(Affiliated to Acharya Nagarjuna University)

Department of Physics has conducted P. G entrance coaching Classes for 3rd B.Sc students from 02.01.2024 to 17-02-2024. The following students of final year B. Sc succeeds in getting the seat in M.Sc. Physics with good ranks.

S. NO	NAME OF THE STUDENT	PROGRAMME	EXAM QUALIFIED	Admitted University
1	Paladugu Maheswari	B. Sc(M.P.Cs)	APPGCET	Acharya Nagarjuna university
2	Shaik Zakira Roshan	B. Sc(M.P.Cs)	APPGCET	Andhra University
3	Jeedimalla Bhanu Prasad	B. Sc(M.P.Cs)	APPGCET	Andhra University
4	Pasumarthi Rahimunnisa	B. Sc(M.P.Cs)	APPGCET	Andhra University

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