

NOTICE

The Dept of physics is organizing certificate course on “Basic concepts of physics -1”. So all the interested candidate can Join the course. This Course helps students to understand B.sc (physics)course in an easier way . and also useful for competitive exams. For further details approach dept of physics.



Duration of the course: 30 days

Syllabus:

Unit-I : (10 hrs) vectors, addition and resolution of vectors ,motion of an object force ,work, energy, rotational motion, moment of inertia ,torque,

Unit-II: (10 hrs) thermal properties of solids,liquids,gases,methods heat transfer, specific heats of solids and gases,latent heat,triple point, Kelvin scale of temperature , thermodynamic laws.

UNIT-III: (10hrs) mechanical properties of solids,stress,strain ,pressure,coeff of modulus of elasticity(Y,η,K), Gravitation,g, satellites, precession, orbital velocity,

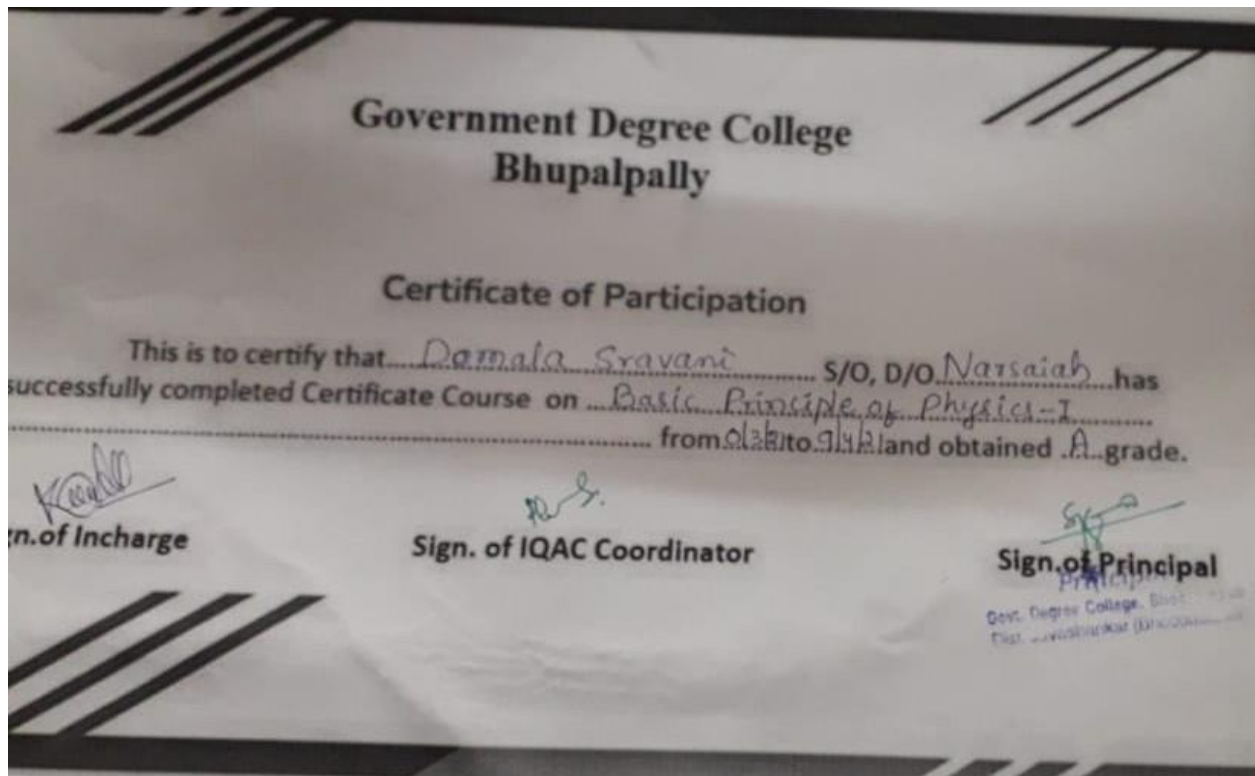
Wave motion ,types of waves.

Faculty involved:

1. Smt E.Kavitha,lect in physics
2. Sri R.sridhar, lect in mathematics

List of students attended course:

S,NO	ARELLI SHREYA
1	ATHMAKURI PRATHYUSHA
2	ATLA SANDHYA RANI
3	AZMEERA SAI SUNITHA
4	BANDARI VARALAXMI
5	BUDIDHA ASHWITHA
6	CHENNURI RAJKUMAR
7	CHIGURU VISHWATEJA
8	EEDHA NARESH
9	GANDHAM LATHA
10	GATLA AKHILA
11	KANCHA SHIRISHA
12	MOHAMMAD AFREEN BEGUM



Basic concepts of physics-I

QUESTION PAPER

Time:2hrs

max marks:50

1. How to resolve a vector physical quantity into components?
2. what is moment of inertia?

3. define torque?
4. define specific heat and latent heat?
5. what is heat radiation?
6. what is orbital velocity?
7. What is precession?
8. write about satellites?
9. what are types of waves? explain wave eqn?
10. define γ, η, K ?