



कार्यालय प्राचार्य
स्व. डारन बाई तारम शासकीय महाविद्यालय गुरुर



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Department of Physics

Session 2023 – 24

List of Physics Practical [Program – B.Sc. (PCM), Year – 01st Year]

S.No.	Object of Practical
01	To determine acceleration due to gravity 'g' by compound pendulum (bar with holes).
02	To Study the theorem of perpendicular axes of moment of inertia.
03	To determine Young's Modulus of material of a wire by Searle's apparatus.
04	To determine Young's Modulus of material of a beam by cantilever method.
05	To determine modulus of rigidity of material of a wire by Maxwell's needle method (Dynamical method).
06	To determine modulus of rigidity of material of rod by statical method (Barton's Vertical Apparatus).
07	To determine Young's Modulus, modulus of rigidity and poisson's ratio for the material of wire by Searle's arrangement.
08	To determine Poisson's ratio for rubber.
09	To determine surface tension of water by capillary rise method.
10	To determine surface tension of liquid by Jaeger's method.
11	To determine the coefficient of viscosity of water by Poiseuille's flow method.
12	To determine the coefficient of viscosity of glycerine by Stoke's method.
13	To determine the velocity of ultrasonic waves in a given liquid.
14	To determine (i) the horizontal component of Earth's magnetic field and (ii) magnetic moment of the magnet.
15	To draw the flow charts and to write programs for addition and multiplication of two integers.
16	Write a program for testing for leap year.
17	Write a program to find highest of the given numbers.
18	Write a program to find simple interest.
19	Write a program to arrange given numbers in ascending order.
20	Write a program to arrange given numbers in descending order.


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