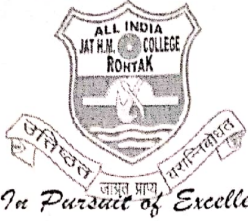


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Office of the Principal
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Rohtak

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AFFILIATED TO MAHARSHI DAYANAND UNIVERSITY, ROHTAK (HARYANA)


Ref.No. _____

Dated 18/10/23

Sealed quotations are invited for purchase of below mentioned equipments/apparatus/instruments required for PG classes in Physics Department. All the interested firms may submit quotation via mail aijhmcollegerohtak@gmail.com or by registered post in the office of undersigned upto 05/11/2023. All rights are reserved with the college authority.

List of instruments required for M.Sc. Physics Lab :

1. Optical Fibre Kit capable of performing following experiments :
 - (i) Setting up of fibre optic analogue link, study of losses in optical fibre, measurement of propagation loss and bending loss.
 - (ii) Study of characteristic of fibre optic LED and detector, measurement of numerical aperture and study of frequency modulation and demodulation using fiber optic link.
2. To determine numerical aperture of an optical fibre and size of Lycopodium powder using semiconductor laser.
3. To study hysteresis in the electrical polarization of a TGS crystal and measure Curie temperature.
4. To study the thermo-luminescence of F- Centers in Alkali Halide crystals.
5. Study of energy band gap and diffusion potential of PN junction.
6. Determination of thermal conductivity of given bar at different temperatures.
7. Measurement of thermoelectric power.
8. To study the characterization and phase transition using nano-fluid interferometer.
9. Function Generator.
10. Cathode Ray oscilloscope.


Principal
A.I.Jat H.M.College,
Rohtak
Maharshi