



हिमाचल प्रदेश केंद्रीय विश्वविद्यालय

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आज़ादी का
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Circular

PAS 548. M.Sc. Dissertation to M.Sc. Students of session 2020-22.

S. No.	Roll Number	Name	Title of the dissertation	Name of supervising faculty
1.	CUHP20PGPAS01	ADITYA BHARTI	Investigation of Gamma Ray Shielding Properties of Zirconium doped Silica based Glass by using X-com	Dr. Vikas Anand
2.	CUHP20PGPAS02	AMAN SHARMA	Study of 12C Elastic Scattering using: Phase Function Method	Prof. OSKS Sastri
3.	CUHP20PGPAS03	AMIT KUMAR	Synthesis and Rheological Properties of Fe ₃ O ₄ based magnetic nano-fluid	Dr. Noorjahaan
4.	CUHP20PGPAS04	AMIT KUMAR	A Comparative Study of scattering with 3H and 3He Nuclei using Phase Function Method	Prof. OSKS Sastri
5.	CUHP20PGPAS05	ANAND ARYA	Absent	Dr. Surender Pratap
6.	CUHP20PGPAS06	ANCHAL DEVI	Energy Storage Device	Dr. Rajesh Kumar Singh
7.	CUHP20PGPAS08	CHANDAN KUMAR	Green Synthesis and Characterization of NiO-ZnO Nano Particles for the Degradation of Methylene Blue	Dr. Pawan Heera
8.	CUHP20PGPAS09	GAGANDEEP	Perturbation in Tri-Bimaximal pattern of Neutrino mixing matrix and associated Phenomenology.	Dr. Surender Verma
9.	CUHP20PGPAS10	GOURI PANDEY	"Ab-Initio Study of Superconductivity in Metal Hydrides"	Dr. Jagdish Kumar
10.	CUHP20PGPAS11	HARINDER MOHAN	Electronics & Optical properties of MoS ₂	Dr. Surender Pratap
11.	CUHP20PGPAS12	KAVITA KUMARI	Self-adjoint extensions of operators	Dr. Ayan Chatterjee
12.	CUHP20PGPAS13	LUXMI DEVI	Solid oxide fuel cell	Prof. Rajesh Kumar
13.	CUHP20PGPAS14	NAFISA KHATOON	Study of Integer Quantum Hall effect in Graphene	Dr. Surender Pratap
14.	CUHP20PGPAS15	NARESH KUMAR	Magneto viscous Effects in Ferro fluids	Dr. Norjhaan
15.	CUHP20PGPAS16	NEERAJ WALIA	To study the effect of substitution of Magnetic Elements	Dr. Jagdish Kumar
16.	CUHP20PGPAS18	PARYAG	Probing the environment of high	Prof. Hum Chand

		SHARMA	redshift quasars using proximity effects	
17.	CUHP20PGPAS19	PAVESH CHAUHAN	Seesaw Mechanism	Prof. Bhag Chand Chauhan
18.	CUHP20PGPAS20	PRIYA CHANDEL	Study of variation of Hydration number of mixture of niacin with alcohol in aqueous medium at different temperature by using ultrasonic interferometer	Dr. Gourishankar Sahoo
19.	CUHP20PGPAS21	RAJAT KUMAR	Analyzing absorption line seen in distant QSO spectra	Prof. Hum Chand
20.	CUHP20PGPAS22	RAJESH KUMAR	Optimum energy and angular momentum for fusion of $40\text{Ar}+110\text{Pd}$ using intrinsic fusion and symmetric fission barriers analysis	Dr. Dalip Singh Verma
21.	CUHP20PGPAS23	RIYA KOUNDAL	SIBM self-interacting Dark Matter	Prof. Bhag Chand Chauhan
22.	CUHP20PGPAS24	SAHIL	Study of Variation of Wada's Constant of Mixture of Niacin with Alcohol in Aqueous Medium at Different Temperatures	Dr. Gourishankar Sahoo
23.	CUHP20PGPAS25	SAHIL KUMAR	Leptonic Unitarity Triangles and CP Violation	Dr. Surender Verma
24.	CUHP20PGPAS26	SHAKUNTLA	Lecpogenesis via Baryogenesis	Prof. Bhag Chand Chauhan
25.	CUHP20PGPAS27	SHAMLI SANDHU	Study of variation Rao's constant of mixture of Niacin with Alcohol in Aqueous Medium at different Temperatures	Dr. Gourishankar Sahoo
26.	CUHP20PGPAS28	VISHAL	Hydrogen Fuel Cell (Solid Oxide Fuel Cell)	Prof. Rajesh Kumar
27.	CUHP20PGPAS29	SHUBHAM BHARMORIA	Electrode Materials for Super capacitors	Dr. Rajesh Kumar Singh
28.	CUHP20PGPAS30	SONAM CHAUHAN	Study of variation of Acoustical Impedance of Mixture of Niacin with Alcohol in Aqueous Medium at different Temperatures	Dr. Gourishankar Sahoo
29.	CUHP20PGPAS31	SUNAINA	Neutrinoless Double Beta Decay	Prof. Bhag Chand Chauhan
30.	CUHP20PGPAS32	TANUJ CHAUHAN	Incident energy and angular momentum correlation to the yield of compound nucleus formed in $7\text{Li}+89\text{YMO}^*$ reaction	Dr. Dalip Singh Verma
31.	CUHP20PGPAS33	VISHAL MEHRA	Study of Deuteron Ground State using Quantum-Hamilton Jacobi Theory	Prof. OSKS Sastri

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