



स्व० श्री मदन मोहन उपाध्याय स्वतंत्रता संग्राम सेनानी

राजकीय स्नातकोत्तर महाविद्यालय द्वाराहाट (अल्मोड़ा), उत्तराखण्ड -263653

**Government Post Graduate College Dwarahat (Almora)**

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**IV. Fourth Semester:**

<b>Paper 15:</b>	<b>Special Paper (Part-I)</b>	
	(a) Advanced Electronics-I	(PHY-4941)
	(b) High Energy Physics-I	(PHY-4942)
	(c) Spectroscopy-I	(PHY-4943)
	(d) Astrophysics-I	(PHY-4944)
	(e) Advanced Condensed Matter Physics-I	(PHY-4945)

<b>Paper 16:</b>	<b>Special Paper (Part-II)</b>	
	(a) Advanced Electronics-II	(PHY-4951)
	(b) High Energy Physics-II	(PHY-4952)
	(c) Spectroscopy-II	(PHY-4953)
	(d) Astrophysics-II	(PHY-4954)
	(e) Advanced Condensed Matter Physics-II	(PHY-4955)

**Paper 17:** Dissertation/Project work with Grade System (Out of Maximum 100 Marks)

Marks	Grade
91 or above	A+
81 to 90	A
71 to 80	B+
61 to 70	B
51 to 60	C+
41 to 50	C
40 or Less	FAIL

**Practical:** (PHY-5481)

**Research Dissertation M.Sc. IV Semester**



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**List of Research Dissertation in M.Sc IV Semester**

S.No.	ROLL No	NAME	TOPIC	Supervisor Name
1	221438000	Mohit Bhatt	To study the association of interplanetary magnetic field (Imf), north-south component of Imf (Bz), flow speed (Fs), flow pressure (Fp) and ap index with disturbance storm time (Dst) index for solar cycles 23, 24, and 25 (Non-DH type II burst CME event)	Dr. Suman Garia
2	221438000	Jyoti	To study the association of interplanetary magnetic field (Imf), north-south component of Imf (Bz), flow speed (Fs), flow pressure (Fp) and ap index with disturbance storm time (Dst) index for solar cycles 23 (Non-DH type II burst coronal mass ejection events)	Dr. Suman Garia
3	221438000	Manisha Rana	To study the association of north-south component of interplanetary magnetic field (Bz), flow pressure (Fp) and ap index with dst index for solar cycles 24 (Non-DH type II burst coronal mass ejection events)	Dr. Suman Garia
4	221438000	Neha Rana	To study the association of north-south component of interplanetary magnetic field (Bz), solar wind flow pressure (Fp) and ap index with dst index for solar cycles 23 (Non-DH type II burst coronal mass ejection events)	Dr. Suman Garia
5	221438000	Swati Tiwari	To study the association of interplanetary magnetic field (Imf), north-south component of Imf (Bz), flow speed (Fs), flow pressure (Fp) and ap index with Dst index for solar cycles 24 and solar cycles 25 (DH type II bursts coronal mass ejection events)	Dr. Suman Garia



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Email: gpgcdwarahat@yahoo.com Website: www.gpgcdwarahat.in

To Study the Association of Interplanetary Magnetic Field (Imf), North-South Component of Imf (Bz), Flow Speed (Fs), Flow Pressure (Fp), and ap index with Disturbance Storm Time (Dst) index for Solar Cycle 23, 24 and 25 (Non-DH type II burst CME events)



A Dissertation

Submitted to

Govt. P. G. College Dwarahat, Almora

(Uttarakhand)

Session-2023- 2024

*L.P. Verma*

EXTERNAL

DR. L.P. Verma

Principal

G.P.G.C. SHITLAKHET

ALMORA

Submitted by

Mohit Bhatt

M.Sc. (IV Sem.) Student

Roll Number- 2214380001

Session- 2023-2024

Supervised by

Dr. Suman Garia

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To Study the Association of Interplanetary Magnetic Field (IMF), North south component of IMF (Bz), Flow Speed (Fs), Flow Pressure (Fp), and ap index with Disturbance Storm Time Dst index for Solar Cycle 23 (DH type II bursts Coronal Mass Ejection events).



A Dissertation

Submitted to

Govt. P.G. College Dwarahat, Almora

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Session – 2023-24

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To Study the Association of North- South component of Interplanetary  
Magnetic Field (bz), Flow Pressure (fp) and ap with dst index for Solar Cycle  
24 (Non DH type II bursts Coronal Mass Ejection events).



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Submitted to

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