

**Assignments / Seminar Topics 2020**  
**M. Sc. II Sem.**  
**Group Theory, Spectroscopy & Diffraction Methods & Solid State**  
**(H-2010)**

S. No.	Candidate Name	Topics of Group Theory, Spectroscopy & Diffraction Methods & Solid State
1	ANJALI SHARMA	Chemical Shifts and Factors affecting Chemical Shifts
2	DEEPANSHU RANA	ESR Spectroscopy
3	GOMESH KUMAR	Born-Oppenheimer Approximation
4	GUNJAN RANI SEHGAL	Breakdown of Oppenheimer Approximation
5	HAREESH KUMAR	X-ray Structure Analysis of Crystals
6	HEMLATA RANI	Ramachandran Diagram of Protein
7	KAJAL SHARMA	Spin-Spin Coupling
8	KM VAISHALI	Transition probability
9	KM MOHINEE SAINEE	Symmetry Elements & Symmetry Operation
10	KM PRATIBHA JYOTI	Coherent anti Stokes Raman spectroscopy (CARS)
11	KM PRATIBHA SHARMA	Electronic Spectroscopy
12	KM REKHA RANI	Morse potential energy diagram
13	KM SURABHI GUPTA	Differences between Raman & Infrared Spectroscopy
14	KM SWATA	Photoelectron Spectroscopy
15	MOHD ANAS	Franck-Condon Principle
16	MONU KUMAR	Atomic Spectroscopy
17	PRITI CHAUDHARY	Vibrational Spectroscopy
18	RAJNI	Molecular Spectroscopy
19	RENU	NMR Spectroscopy
20	SAURAB	Vibrational Raman Spectra
21	SHIVAM SHARMA	Great Orthogonality Theorem (GOT)
22	SUMIT KUMAR SHARMA	Electromagnetic radiation

- Note:** - (i) The last date of submission of Assignments / Seminar Topics is 07-06-2020.  
(ii) 1.5 x 5 pages (7.5) + Questions = 10 Marks  
(iii) Assignments / Seminar may be sent on WhatsApp group by hand written or typed in pdf file  
(iv) Write name, semester and subject also