

Veer Bahadur Singh Purvanchal University, Jaunpur
Revised Syllabus for P.G. Chemistry (w.e.f. Session 2019-2020)

M.Sc. Chemistry (Previous)

Paper No. (Code No.)	Title	Theory	Page
Paper I	Inorganic Chemistry	100	02
Paper II	Organic Chemistry	100	04
Paper III	Physical Chemistry	100	07
Paper IV	Group Theory and Spectroscopy	100	10
Paper V	Environmental Chemistry	50	13
Lab Course	Title	Lab	
1	Inorganic Chemistry	30	15
2	Organic Chemistry	30	15
3	Physical Chemistry	30	16
4	Viva Voce	20	
5	Records	10	
6	Assignment/Seminar	30	18

M.Sc. Chemistry (Final) Inorganic Chemistry Specialization

Paper No. (Code No.)	Title	Theory	Page
Inorganic Chemistry Specialization			19
Paper I	Application of Group Theory and Spectroscopy	100	20
Paper II	Bio-inorganic and Supramolecular Chemistry	100	22
Paper III	Organotransition Metal Chemistry	100	24
Paper IV	Photoinorganic Chemistry	100	26
Paper V	Analytical Chemistry	50	28
Lab Course	Title	Lab	
1	Preparation of Inorganic Complexes	30	30
2	Spectrophotometric /Flame photometric Determination of Elements	30	30
3	Chromatographic Separation	30	30
4	Viva Voce	20	
5	Records	10	
6	Master Thesis/Research Project	30	31

M.Sc. Chemistry (Final) Organic Chemistry Specialization

Paper No. (Code No.)	Title	Theory	Page
Organic Chemistry Specialization			32
Paper VI	Application of Spectroscopy and Photochemistry	100	33
Paper VII	Bio-Organic Chemistry	100	35
Paper VIII	Organic Synthesis	100	37
Paper IX	Medicinal Chemistry	100	39
Paper X	Chemistry of Natural Products	50	42
Lab Course	Title	Lab	
1	Qualitative analysis	30	44
2	Isolation of the organic compound	30	44
3	Chromatography	30	44
4	Viva Voce	20	
5	Records	10	
6	Master Thesis/ Research Project	30	44

M.Sc. Chemistry (Final) Physical Chemistry Specialization

Paper No. (Code No.)	Title	Theory	Page
Physical Chemistry Specialization			45
Paper VI	Solid State Chemistry and Spectroscopy	100	46
Paper VII	Bio-Physical Chemistry	100	48
Paper VIII	Advance Quantum Chemistry	100	50
Paper IX	Chemistry of Materials	100	52
Paper X	Polymer Chemistry	50	54
Lab Course	Title	Lab	
1	Thermodynamics	30	56
2	Spectroscopy	30	56
3	Polarography and E.M.F. Measurement	30	56
4	Viva Voce	20	
5	Records	10	
6	Master Thesis/ Research Project	30	56