

Course Structure: M.Sc (Independent) Medical Biotechnology (2016-17)

SEMESTER I	Title of Paper/Practical	Hours of Teaching/ Practical per week			
Subject Code	Subject	L	P	Total Hour/week	Credits
BP 101	Cell Biology	4	4	8	6
BP 102	Molecular Biology	4	4	8	6
BP 103	Human Biochemistry	4	4	8	6
BP 104	Animal Tissue Culture	4	4	8	6
SEMESTER II					
SEMESTER II	Title of Paper/Practical	Hours of Teaching/ Practical per week			
BP 105	Human Physiology	4	4	8	6
BP 106	Microbiology	4	4	8	6
BP 107	Industrial Biotechnology	4	4	8	6
BP 108	Bioinformatics	4	4	8	6
Summer Training/ Workshop/ Mini project					2
Co & Extra Curricular Activity (Open elective) 1. Poster presentation 2. Paper presentation 3. Participation in Conference/ seminar/ CME 4. Extension activity					2
SEMESTER III					
SEMESTER III	Title of Paper/Practical	Hours of Teaching/ Practical per week			
BP 201	Genetic Engineering	4	4	8	6
BP 202	Immunology	4	4	8	6
BP 203	Medical Microbiology	4	4	8	6
BP 204 - Any one of the Following electives					
BP 204 EL1	Clinical Research	4	4	8	6
BP 204 EL2	Developmental Biology and Stem Cells	4	4	8	6
BP 204 EL3	Human Genetics	4	4	8	6
SEMESTER IV					
SEMESTER IV	Title of Paper/Practical	Hours of Teaching/ Tutorials per week			
BP 205	Research Methodology and Socio- Ethical aspects of Biotechnology	4	4	8	6
BP 206	Pharmaceutical Biotechnology	4	4	8	6
BP 207	Project work/ Dissertation				12
					Total=100