

BHARATHIAR UNIVERSITY, COIMBTORE.
M.Sc. MICROBIOLOGY
SCHEME OF EXAMINATION (CBCS PATTERN)

For the students admitted during the academic year 2010-2011 Batch onwards

Study Components	Course Title	Ins. hrs / week	Exam				Credit
			Dur. Hrs.	CIA	Uni. exam	Total	
Semester I							
Paper I	Fundamentals of Microbiology and Bioinformatics	5	3	25	75	100	4
Paper II	Microbial Physiology	5	3	25	75	100	4
Paper III	Applied Biotechniques	5	3	25	75	100	4
Paper IV	Environmental and Agricultural Microbiology	5	3	25	75	100	4
Practical	Practical I	5	-	-	-	-	-
Elective	Paper I	5	3	25	75	100	4
Semester II							
Paper V	Molecular Genetics	5	3	25	75	100	4
Paper VI	Virology and Nanotechnology	5	3	25	75	100	4
Paper VII	Bioprocess Technology	5	3	25	75	100	4
Paper VIII	Engineering of Genes and Proteins	5	3	25	75	100	4
Practical	Practical I	-	9	40	60	100	4
Practical	Practical II	5	9	40	60	100	4
Elective	Paper II	5	3	25	75	100	4
Semester III							
Paper IX	Immunology and Immunotechnology	5	3	25	75	100	4
Paper X	Medical Microbiology	5	3	25	75	100	4
Paper XI	Biotechnology and IPR	5	3	25	75	100	4
Paper XII	Microbial Food Technology	5	3	25	75	100	4
Paper XIII	Biostatistics and Research Methodology	5	3	25	75	100	4
Practical	Practical III	5	-	-	-	-	-
Semester IV							
Elective	Paper III	5	3	25	75	100	4
Practical	Practical III	5	9	40	60	100	4
Project+	Project and viva voce	-	-	-	-	250*	10
Elective	Paper IV -Practical	5	9	40	60	100	4
Total						2250	90

* Project Report – 200 Marks, Viva voce- 50 Marks

List of Group Elective papers (Colleges can choose any one of the Group papers as electives)

Guidelines for the Project Work:

	GROUP A	GROUP B	GROUP C
Paper I/Sem I	Principles of Quality Assurance	Environment and Health	Basic Biological Sciences
Paper II/Sem II	Quality Assessment in Pharmaceuticals	Communicable and Non-communicable diseases	Biophysics and Biochemistry
Paper III/Sem III	Total Quality Management (TQM)	Health care of the community	Molecular Cytology and Tissue Engineering
Paper IV/Sem IV	Practical	Practical	Practical

Two reviews be conducted with all the students & staff members in the month of Jan. & Feb.
2nd review if necessary an external expert may be called.

Note :

The syllabi for the above papers be the same as prescribed for the academic year 2009-10.