



KARPAGAM ACADEMY OF HIGHER EDUCATION

Coimbatore - 641021.

DEPARTMENT OF BIOCHEMISTRY

FACULTY OF ARTS, SCIENCE AND HUMANITIES

PG PROGRAM (CBCS) – M.Sc. BIOCHEMISTRY

(Scheme of Examination for 2017- 2018 onwards)

Course Code	Name of the course	Inst. Hrs	Marks			Exam/ Hours	Credit
			CIA	ESE	Total		
SEMESTER I							
17BCP101	Chemistry of Biopolymers	4	40	60	100	3	4
17BCP102	Enzymes and Microbial Technology	4	40	60	100	3	4
17BCP103	Bioinstrumentation and Good Laboratory Practices	4	40	60	100	3	4
17BCP104	Cellular Biochemistry	4	40	60	100	3	4
17BCP105A	Plant Biochemistry	4	40	60	100	3	4
17BCP105B	Plant Biotechnology						
17BCP105C	Biopharmaceutics						
17BCP111	Practical – I Quantitative Estimation and Separation Techniques	4	40	60	100	5	2
17BCP112	Practical – II Plant Biochemistry and Microbiology	4	40	60	100	5	2
	Journal paper analysis and Presentation	2	-	-	-	-	-
Semester total		30	280	420	700	-	24
SEMESTER II							
17BCP201	Regulation of Metabolic Pathways	4	40	60	100	3	4
17BCP202	Molecular Biology	4	40	60	100	3	4
17BCP203	Developmental Genetics	4	40	60	100	3	4
17BCP204	Bioinformatics	4	40	60	100	3	4
17BCP205A	Recombinant DNA Technology	4	40	60	100	3	4
17BCP205B	Animal Tissue Culture						
17BCP205C	Genomics and Proteomics						
17BCP211	Practical – III Molecular Biology and Animal Biotechnology	4	40	60	100	5	2
17BCP212	Practical – IV Biological Databases and Analysis	4	40	60	100	5	2
	Journal paper analysis and Presentation	2	-	-	-	-	-
Semester total		30	280	420	700	-	24
SEMESTER III							
17BCP301	Immunology	4	40	60	100	3	4
17BCP302	Clinical Biochemistry	4	40	60	100	3	4

17BCP303	Endocrinology	4	40	60	100	3	4
17BCP304	Drug Biochemistry	4	40	60	100	3	4
17BCP305A	Biostatistics and Research Methodology	4	40	60	100	3	4
17BCP305B	Clinical Research and IPR						
17BCP305C	Dietetic Management of Disease						
17BCP311	Practical – V Clinical Enzymes And Immunology	4	40	60	100	5	2
17BCP312	Practical – VI Clinical Biochemistry and Animal Studies	4	40	60	100	5	2
	Journal paper analysis and Presentation	2	-	-	-	-	-
Semester total		30	280	420	700		24
SEMESTER IV							
17BCP491	Project and <i>Viva Voce</i>	-	80	120	200	-	15
Semester total		-	80	120	200	-	15
Grand Total			920	1380	2300		87

Core Elective – 1* (Theory)		Core Elective – 2 (Theory)*		Core Elective – 3(Theory)*	
17BCP105-A	Plant Biochemistry	17BCP205-A	Recombinant DNA Technology	17BCP305-A	Biostatistics and Research Methodology
17BCP105-B	Plant tissue culture	17BCP205-B	Animal Tissue Culture	17BCP305-B	Clinical Research and IPR
17BCP105-C	Biopharmacy	17BCP205-C	Genomics and Proteomics	17BCP305-C	Dietetic Management of Disease

Code: 17BCP101

17 - Academic Year

BC - Biochemistry

P - Masters Degree

First Digit - Semester number (1, 2, 3 and)

Second digit - Theory (0); Practical (1); Project (9)

Last digit - Paper number in the concerned semester (1, 2...)

***** The candidate has to select any one elective course from three options in each semester