KURUKSHETRA UNIVERSITY KURUKSHETRA

[Established by the State Legislature Act XII of 1956] ('A+' Grade, NAAC Accredited)

AQAR-2020-21

1.2.2 : Scheme of Examination for the programmes in the Department/Institute of

Bio-Chemistry

KURUKSHETRA UNIVERSITY, KURUSKHETRA ('A+' Grade NAAC Accredited)

DEPARTMENT OF BIOCHEMISTRY

Curriculum for M. Sc. Biochemistry (Semester System) Under CBCS Scheme of Examination (w.e.f. 2020-2021) in phased manner

Semester - I

Paper code	Title of Paper	Type of paper	Hours/ week	Credits	Internal Assessment	External Marks	Total Marks	Duration of Exam (Hrs)
BCH-101	Structure and Function of Biomolecules	Core	4	4	20	80	100	3
BCH-102	Cell Biology	Core	4	4	20	80	100	3
BCH-103	Proteins and Proteomics	Core	4	4	20	80	100	3
BCH-10-	Bioenergetics and Metabolism -I	Core	4	4	20	80	100	3
BCH-105	Practical-1 (Based on papers BCH-101 and BCH- 102)	Core	8	4	20	80	100	8
BCH-106	Practical-2 (Based on papers BCH-103 and BCH- 104)	Core	8	4	20	80	100	8
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Paper code	Title of Paper	Type of paper	Hours/ week	Credits	Internal Assessment	External Marks	Total Marks	Duration of Exam (Hrs)
BCH-201	Metabolism -II	Core	4	4	20	80	100	3
BCH-202	Clinical Biochemistry	Core	4	4	20	80	100	3
BCH-203	Enzymology	Core	4	4	20	80	100	3
BCH-204	Molecular Biology -I	Core	4	4	20	80	100	3
BCH-205	Seminar	Core	1	1	-	-	25	
BCH-206	Food Biochemistry	Open Elective	2	2	10	40	50	3
BCH-207	Practical-3 (Based on papers BCH-201 and BCH 202)	Core	8	4	20	80	100	8
BCH-208.	Practical-4 (Based on papers BCH-203 and BCH- 204)	Core	8	4	20	80	100	8
Total				27			675	

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Chairperson
Department of Biochemistry Kurukshetra University TURUKSHETRA-136119

Paper code	Title of Paper	Se	Semester -III					
	- me of taper	Type of paper	Hours/ week	credits	Internal Assessment	External Marks	Total	Duration
BCH-301 BCH-302	Molecular Biology -II	Core	4	-		Maiks	Marks	of Exam
	Immunology	Core	4	4	20	80	100	(Hrs)
BCH-303	Plant Biochemistry	Core		4	20	80	100	3
BCH-304A	Nutritional	Elective	4	4	20	80	100	3
D.O.	Biochemistry	Diceive	4	4	20	80		3
BCH-304B	Human Physiology	Elective				- 00	100	3
BCH-305	Seminar		4	4	20	80	100	
		Core	1	1	-	- 80	100	3
BCH-306	Clinical Diagnostics					-	25	
DOW	in Health and Disease	Open Elective	2	2	10	40	50	
BCH-306A*	Summer/industrial	Project				10	50	3
DCH 207	training	Report				50	50	
BCH-307.	Practical-5	Core	8				30	
	(Based on papers BCH-301 and BCH-	00.0	8	4	20	80	100	8
	302)	1				- 1	1	
3CH-308	Practical-6			2500-21		1	1	
	(Based on papers BCH-303 and BCH-	Core	8	4	20	90		
						80	100	8
	304A&B)							
dom	Total					,		
*The students	entering in 3 rd semester of	4		27			675	

*The students entering in 3rd semester of their programs(PG) w.e.f. 2020-21 onwards will be allowed to opt for summer/Industrial training (with a recognized industry research laboratory/company) in lieu of open elective paper (BCH-between 2nd and 3rd Semester.

Paper code	Title of Paper	Se	mester –I	<u>V</u>				
	Time of Paper	Type of paper	Hours/ week	Credits	Internal Assessment	External Marks	Total Marks	Duration
BCH-401	Biostatistics and Bioinformatics	Core	4	4	20			of Exam (Hrs)
BCH-402	Biotechniques	-			20	80	100	3
BCH-403	Genetic Engineering	Core	4	4	20	80		
BCH-404A	Danie	Core	4	4	20		100	3
	Microbiology of	Elective	4	4	20	80	100	3
BCH-404B	Genetics & F. J.				20	80	100	3
BCH-405	Genetics & Evolution	Elective	4	4	20			s and them
BC11-403	Practical-7	Core	8	4		80	100	3
	(Based on papers BCH-401 and BCH- 402)			1	20	80	100	8
1	Practical 08 (Based on papers BCH-403 and BCH-404A&B)	Core	8	4	20			
		Core				80	100	8
	Total							
Grand Total (Semester I-IV)				24			600	
							2550	

layer Cuptar Chairperson

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