

People's University, Bhopal
Department of Biotechnology and Microbiology
Bachelor of Science in Biotechnology (B.Sc. Biotechnology)
Scheme of Examination
w.e.f. Academic Session 2021-2022

SEMESTER I

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 101	MAC	Fundamentals of Biochemistry	4	0	2	6	70	30	70	30	200	80
BSC - 102	MIC	Cell Biology	4	0	2	6	70	30	70	30	200	80
FC-101	AEC	English Language	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of GEC												
BGE - 101	GEC	Computer fundamentals	4	0	0	4	70	30	-	-	100	40
BGE - 102	GEC	Soft Skills										
Total						20					600	240

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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SEMESTER II

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 201	MAC	General Microbiology	4	0	2	6	70	30	70	30	200	80
BSC - 202	MIC	Immunology	4	0	2	6	70	30	70	30	200	80
FC- 201	AEC	Environmental Science	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of GEC												
BGE - 104	GEC	Communication Skills	4	0	0	4	70	30	-	-	100	40
BGE - 105	GEC	Programming for problem solving										
Total						20					600	240

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SEMESTER III

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 301	MAC	Bioenergetics and metabolism	4	0	2	6	70	30	70	30	200	80
BSC - 302	MIC	Enzymology	4	0	2	6	70	30	70	30	200	80
BSC - 303	SEC	Pharmaceutics	3	0	1	4	70	30	70	30	200	80
Elective: Choose any One of GEC												
BGE - 201	GEC	Web designing and E commerce	4	0	0	4	70	30	-	-	100	40
BGE - 202	GEC	Human health and nutrition										
Total						20					700	280

Abbreviations used

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SEMESTER IV

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC- 401	MAC	Molecular Biology	4	0	2	6	70	30	70	30	200	80
BSC- 402	MIC	Genetics	4	0	2	6	70	30	70	30	200	80
BSC- 403	SEC	Novel Drug Delivery	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of GEC												
BGE - 203	GEC	Ethical hacking and cyber security	4	0	0	4	70	30	-	-	100	40
BGE - 204	GEC	Entrepreneurship Development										
Total						20					600	240

Abbreviations used

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SEMESTER V

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC- 501	MAC	Bio-analytical Techniques	4	0	2	6	70	30	70	30	200	80
BSC- 502	SEC	Pharmacovigilance	4	0	0	4	70	30	-	-	100	40
Elective: Choose any One of DSEC												
BSC- 503	DSEC	Industrial Biotechnology	3	0	1	4	70	30	70	30	200	80
BSC- 504	DSEC	Environmental Biotechnology										
BSC- 505	FP	Field Project				6	Field Project: 75 Evaluation Report : 25				100	40
Total						20					600	240

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SEMESTER VI

Paper code	Course	Subject	L	T	P	Credit Points	Theory		Practical		Total	Minimum passing Marks
							External Assessment	Internal Assessment	External Assessment	Internal Assessment		
BSC - 601	MAC	Recombinant DNA Technology	4	0	2	6	70	30	70	30	200	80
Elective: Choose any Two of DSEC			3	0	1	4	70	30	70	30	200 (x 2)	80 (x 2)
BSC - 602	DSEC	Animal Biotechnology										
BSC - 603	DSEC	Plant Biotechnology										
BSC - 604	DSEC	Medical Biotechnology										
BSC - 605	DSEC	Pharmaceutical Biotechnology	3	1	0							
BSC - 606	PW	Project Work				6	Field Project: 75 Evaluation Report : 25				100	40
Total						20					700	280

Abbreviations used

Major Course: MAC; Minor Course: MIC; Generic Elective Course: GEC; Skill Enhancement Course: SEC; Ability Enhancement Courses: AEC; Discipline Specific Electives Course: DSEC; Field Project: FP; Project Work: PW; L: lecture; T: Tutorial; P: Practical

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