

M.Sc. Biochemistry

Total Credits : 100

Semester I

COURSE CODE	PAPER	CREDITS
PSBCTC101	Cell Biology	4
PSBCTC102	Biophysical and Bio-organic chemistry	4
PSBCTC107	Biomolecules	4
PSBCTC104	Molecular Biology	4
PSBCPC105	Laboratory course in Cell biology and Biophysical and Bio-organic chemistry	4
PSBCPC108	Laboratory course in Biomolecules and Molecular Biology	4
TOTAL		24

STUDENTS WILL REGISTER FOR A MINIMUM OF 2 CREDIT COURSE FROM SWAYAM

Semester II

COURSE CODE	PAPER	CREDITS
PSBCTC201	Genetic Engineering	4
PSBCTC202	Enzymology	4
PSBCTC203	Genetics	2
PSBCTC204	Molecular Virology	2
PSBCTC205	Immunology	4
PSBCTC208	Term paper	1
PSBCPC206	Laboratory course in Genetic Engineering and Enzymology	4
PSBCPC207	Laboratory course in Genetics and Immunology	4
TOTAL		25

Semester III

COURSE CODE	PAPER	CREDITS
PSBCTC301	Plant Biochemistry	4
PSBCTC302	Intermediary Metabolism	4
PSBCTC311	Bioinformatics & Biostatistics	2
PSBCTC308	Mammalian hormones	2
PSBCTC309	IPR	2
PSBCTE310	Nanotechnology in Biology	2
PSBCTC312	Review Paper writing	1
PSBCPC313	Laboratory course in Plant Biochemistry	2
PSBCPC314	Laboratory course in Intermediary Metabolism	2
PSBCPC315	Laboratory course in Bioinformatics	2
TOTAL		23

Students will register for a minimum of 4 credits of course from other Departments of the University

Semester IV

COURSE CODE	PAPER	CREDITS
PSBCDC406	Research Project+Project presentation+Viva Voce+Dissertation	8
PSBCDC402	Journal Club	2
PSBCTC403	Nutritional Biochemistry	4
PSBCTC404	Clinical Biochemistry	4
TOTAL		18

Students will register for a minimum of 4 credits of course from other Departments of the University

Open courses offered by the School:-

1. **Techniques in Biotechnology** 4 Credits (To 3rd Sem students)
2. **Essentials in Microbiology and Biochemistry** 4 Credits (To 4th Sem students)