

## (SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 004      Programme Name: BACHELOR OF TECHNOLOGY (BIOCHEMICAL ENGINEERING)      SchemeID: 190042013001      Sem./Year: 01 SEMESTER  
Institution Code: 161      Institution: UNIVERSITY SCHOOL OF CHEMICAL TECHNOLOGY

S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	99101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	COMPUTER PROGRAMMING	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	15107	IT107	ELECTRICAL SCIENCE	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99109	BA109	MATHEMATICS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99111	BA111	PHYSICS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	99117	BA117	ORGANIC CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER PROGRAMMING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS - I	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
11	15159	IT159	ELECTRICAL SCIENCE LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
12	99163	BA163	ORGANIC CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50



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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	04301	BCT301	PROTEIN SCIENCE & ENGG.	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	04303	BCT303	BIO REACTION ENGG	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	04305	BCT305	HEAT TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	04307	BCT307	MASS TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	04309	BCT309	MOLECULAR BIOLOGY	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	04311	BCT311	IMMUNOLOGY	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	04351	BCT351	HEAT & MASS TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	04353	BCT353	BIOTEACTION ENGG. LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	04355	BCT355	MOLECULAR BIOLOGY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50



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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	04401	BCT401	BIOPRECESS MODELING AND SIMULATION	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	04403	BCT403	PROCESS ENGINEERING	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	04405	BCT405	ENZYME TECHNOLOGY	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	04407	BCT407	BIOCHEMICAL PROCESSES	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	98411	HS411	INTRODUCTION TO ECONOMICS	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	04451	BCT451	MODELING & SIMULATION LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	04453	BCT453	PROJECT WORK - I	4	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	04455	BCT455	SEMINAR	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50





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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	99101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	COMPUTER PROGRAMMING	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	15107	IT107	ELECTRICAL SCIENCE	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99109	BA109	MATHEMATICS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99111	BA111	PHYSICS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	99117	BA117	ORGANIC CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER PROGRAMMING LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS - I	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
11	15159	IT159	ELECTRICAL SCIENCE LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
12	99163	BA163	ORGANIC CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50





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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	04201	BCT201	BIOCHEMICAL PROCESS CALCULATIONS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	04203	BCT203	FLUID MECHANICS	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	04205	BCT205	UNIT OPERATIONS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	04207	BCT207	TRANSPORT PHENOMENON	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	47211	EM211	INTRODUCTION TO LIFE SCIENCE	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	99213	BA213	APPLIED MATHEMATICS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	04251	BCT251	WORK SHOP	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	04253	BCT253	FLUID MECHANICS LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	04255	BCT255	UNIT OPERATIONS LAB - I	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50



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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	04301	BCT301	PROTEIN SCIENCE & ENGG.	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	04303	BCT303	BIO REACTION ENGG	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	04305	BCT305	HEAT TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	04307	BCT307	MASS TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	04309	BCT309	MOLECULAR BIOLOGY	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	04311	BCT311	IMMUNOLOGY	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	04351	BCT351	HEAT & MASS TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	04353	BCT353	BIOTEACTION ENGG. LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	04355	BCT355	MOLECULAR BIOLOGY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50





