

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 014 Programme Name: BACHELOR OF TECHNOLOGY (CHEMICAL ENGINEERING) SchemeID: 190142004001 Sem./Year: 05 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	14301	CT301	CHEMICAL ENGINEERING THERMODYNAMICS - II	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14303	CT303	CHEMICAL REACTION ENGINEERING - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14305	CT305	HEAT TRANSFER - II	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	14307	CT307	MASS TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	14309	CT309	PROCESS CONTROL - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14311	CT311	CHEMICAL PROCESS INDUSTRIES - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	14351	CT351	MASS TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14353	CT353	HEAT TRANSFER 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	14401	CT401	PROCESS EQUIPMENT DESIGN	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	13403	BT403	ENVIRONMENTAL BIOTECHNOLOGY	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
03	14403	CT403	CAD & SIMULATION	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	14405	CT405	INTRODUCTION TO BIO-CHEMICAL ENGINEERING	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	38405	LLB405	INTELLECTUAL PROPERTY RIGHTS	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
06	98411	HS411	INTRODUCTION TO ECONOMICS	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99413	BA413	ADVANCED INSTRUMENTATION DESIGN	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
08	14451	CT451	CAD & SIMULATION LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	14453	CT453	PROJECT WORK I	4	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	14455	CT455	INDUSTRIAL TRAINING / VISIT REPORT	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
11	09607	HS607	NON-VERBAL COMMUNICATION	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
12	247701	EMNRM701	FINANCIAL ANALYSIS, PROJECT MANAGEMENT AND PLANNING	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
13	47715	EM715	INDUSTRIAL POLLUTION CONTROL	3	THEORY	UES	ELECTIVE	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	98101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	INTRODUCTION TO COMPUTERS	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 - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	98119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS I LAB	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 - I 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	14201	CT201	CHEMICAL PROCESS CALCULATIONS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14203	CT203	FLUID MECHANICS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14205	CT205	UNIT OPERATIONS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99211	BA211	PHYSICAL CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99213	BA213	APPLIED MATHEMATICS - III	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14251	CT251	UNIT OPERATIONS - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99261	BA261	PHYSICAL CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14271	CT271	WORKSHOP	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15275	IT275	COMPUTER PROGRAMMING 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	14301	CT301	CHEMICAL ENGINEERING THERMODYNAMICS - II	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14303	CT303	CHEMICAL REACTION ENGINEERING - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14305	CT305	HEAT TRANSFER - II	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	14307	CT307	MASS TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	14309	CT309	PROCESS CONTROL - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14311	CT311	CHEMICAL PROCESS INDUSTRIES - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	14351	CT351	MASS TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14353	CT353	HEAT TRANSFER 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	14401	CT401	PROCESS EQUIPMENT DESIGN	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	13403	BT403	ENVIRONMENTAL BIOTECHNOLOGY	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
03	14403	CT403	CAD & SIMULATION	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	14405	CT405	INTRODUCTION TO BIO-CHEMICAL ENGINEERING	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	38405	LLB405	INTELLECTUAL PROPERTY RIGHTS	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
06	98411	HS411	INTRODUCTION TO ECONOMICS	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99413	BA413	ADVANCED INSTRUMENTATION DESIGN	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
08	14451	CT451	CAD & SIMULATION LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	14453	CT453	PROJECT WORK I	4	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	14455	CT455	INDUSTRIAL TRAINING / VISIT REPORT	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
11	09607	HS607	NON-VERBAL COMMUNICATION	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
12	247701	EMNRM701	FINANCIAL ANALYSIS, PROJECT MANAGEMENT AND PLANNING	3	THEORY	UES	ELECTIVE	DROPPABLE	40	60	100	50
13	47715	EM715	INDUSTRIAL POLLUTION CONTROL	3	THEORY	UES	ELECTIVE	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	98101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	INTRODUCTION TO COMPUTERS	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 - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	98119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS I LAB	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 - I 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	14201	CT201	CHEMICAL PROCESS CALCULATIONS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14203	CT203	FLUID MECHANICS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14205	CT205	UNIT OPERATIONS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99211	BA211	PHYSICAL CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99213	BA213	APPLIED MATHEMATICS - III	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14251	CT251	UNIT OPERATIONS - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99261	BA261	PHYSICAL CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14271	CT271	WORKSHOP	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15275	IT275	COMPUTER PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

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02	14303	CT303	CHEMICAL REACTION ENGINEERING - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14305	CT305	HEAT TRANSFER - II	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	14307	CT307	MASS TRANSFER	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	14309	CT309	PROCESS CONTROL - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14311	CT311	CHEMICAL PROCESS INDUSTRIES - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	14351	CT351	MASS TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14353	CT353	HEAT TRANSFER LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

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01	98101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	INTRODUCTION TO COMPUTERS	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 - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	98119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS I LAB	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 - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

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01	14201	CT201	CHEMICAL PROCESS CALCULATIONS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14203	CT203	FLUID MECHANICS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14205	CT205	UNIT OPERATIONS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99211	BA211	PHYSICAL CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99213	BA213	APPLIED MATHEMATICS - III	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14251	CT251	UNIT OPERATIONS - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99261	BA261	PHYSICAL CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14271	CT271	WORKSHOP	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15275	IT275	COMPUTER PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

(SCHEME OF EXAMINATIONS)

Scheme of Programme Code: 014 Programme Name: BACHELOR OF TECHNOLOGY (CHEMICAL ENGINEERING) SchemeID: 190142004007 Sem./Year: 03 SEMESTER
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S.No.	Paper ID	Code	Subject	Credit	Type	Exam	Mode	Kind	Minor	Major	Max. Marks	Pass Marks
01	14201	CT201	CHEMICAL PROCESS CALCULATIONS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	14203	CT203	FLUID MECHANICS	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
03	14205	CT205	UNIT OPERATIONS - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
04	99211	BA211	PHYSICAL CHEMISTRY	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
05	99213	BA213	APPLIED MATHEMATICS - III	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
06	14251	CT251	UNIT OPERATIONS - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	99261	BA261	PHYSICAL CHEMISTRY LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
08	14271	CT271	WORKSHOP	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15275	IT275	COMPUTER PROGRAMMING LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

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01	98101	HS101	COMMUNICATION SKILLS - I	3	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
02	15105	IT105	INTRODUCTION TO COMPUTERS	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 - I	4	THEORY	UES	COMPULSORY	DROPPABLE	40	60	100	50
07	98119	HS119	IMPACT OF SCIENCE & TECHNOLOGY ON SOCIETY	1	PRACTICAL	NUES	COMPULSORY	DROPPABLE	--	100	100	50
08	99153	BA153	PHYSICS - I LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
09	15155	IT155	COMPUTER LAB	1	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50
10	15157	IT157	ENGINEERING GRAPHICS I LAB	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 - I LAB	2	PRACTICAL	UES	COMPULSORY	DROPPABLE	40	60	100	50

