

**University School of Chemical Technology**

**Guru Gobind Singh Indraprastha University**

**Scheme of Examination**

**M.Tech (F.T) Degree(Chemical Engineering)**

**Scheme for M.Tech (F.T)Degree**

**Of Chemical Engineering**

**{1<sup>st</sup> to 4<sup>th</sup> Semester}**

# University School of Chemical Technology

## Guru Gobind Singh Indraprastha University

### Scheme of Examination M.Tech (F.T) Degree(Chemical Engineering)

L	T	P	Credits
15	3	6	24

#### FIRST SEMESTER EXAMINATION

Code	Paper	L	T	P	Credits
<i>Theory Papers</i>					
<i>Core Courses</i>					
14501	Advanced Transport Phenomena	3	1	0	4
14503	Advanced Separation Technology	3	1	0	4
14505	Advanced System Engineering	3	1	0	4
<i>Elective Course</i>					
14511	Design of Experiment and Analysis of Engineering Data	3	0	0	3
14513	Environmental Engineering And Waste Management	3	0	0	3
14515	Powder Processing & Technology	3	0	0	3
14517	Chemical Process Quantitative Risk Analysis	3	0	0	3
<i>Practical/Viva Voce</i>					
14553	Advance Control Lab	0	0	6	3
14555	Advance Computational Lab	0	0	6	3
Total		15	3	12	24

**Note:** Student can select **two electives** either offered by the department from the above list or from the list of intradepartmental electives.

# University School of Chemical Technology

## Guru Gobind Singh Indraprastha University

### Scheme of Examination M.Tech (F.T) Degree(Chemical Engineering)

L	T	P	Credits
14	2	8	24

#### SECOND SEMESTER EXAMINATION

Code	Paper	L	T	P	Credits
<i>Theory Papers</i>					
Core Courses					
CT-502	Computer Aided Process Design	3	1	0	4
CT-504	Advanced Chemical Engineering Thermodynamics	2	1	0	3
<i>Elective Courses</i>					
CT-512	Alternative Energy Sources	3	0	0	3
CT-514	Process plant Utilities	3	0	0	3
CT-516	Catalysis and Reactor Design	3	0	0	3
CT-518	Membrane Science & Technology	3	0	0	3
CT-520	Design & Analysis of Bio-Reactors	3	0	0	3
<u>Practical/Viva Voce</u>					
CT-554	Minor Project	0	0	16	8
Total		14	2	16	24

**Note:** Student can select **three electives** either offered by the department from the above list or from the list of intradepartmental electives.

# **University School of Chemical Technology**

## **Guru Gobind Singh Indraprastha University**

### **Scheme of Examination** **M.Tech (F.T) Degree(Chemical Engineering)**

L	T	P	Credits
6	0	18	24

#### **THIRD SEMESTER EXAMINATION**

Code No.	Paper	L	T	P	Credits
<i>Elective Courses</i>					
CT-611	Advanced Petroleum Refining	3	0	0	3
CT-613	Industrial Pollution Engineering	3	0	0	3
CT-615	Introduction to Nanotechnology	3	0	0	3
CT-651	Major Project Part-I	0	0	30	15
CT-653	Project Seminar *	0	0	06	3
<b>Total</b>		<b>6</b>	<b>0</b>	<b>36</b>	<b>24</b>

\* NUES

**Note:** Student can select **two electives** either offered by the department from the above list or from the list of intradepartmental electives.

# **University School of Chemical Technology**

## **Guru Gobind Singh Indraprastha University**

### **Scheme of Examination** **M.Tech (F.T) Degree(Chemical Engineering)**

		L	T	P	Credits
		0	0	18	18
<b>FOURTH SEMESTER EXAMINATION</b>					
<b>Code</b>	<b>Paper</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
CT-652	Major Project Part-II	0	0	30	15
CT-654	Project Seminar *	0	0	06	3
<b>Total</b>		<b>0</b>	<b>0</b>	<b>36</b>	<b>18</b>

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