

**SCHEME OF EXAMINATION**  
**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR**  
**SEVENTH SEMESTER B. TECH (CHEMICAL ENGINEERING)**

SEVENTH SEMESTER B. TECH (CHEMICAL ENGINEERING)																	
Sr. No.	Code	Subject	Board	Work Load Hrs				Credit				Marks				Total Marks	Min. % of Marks Required for Passing
	Theory (T)			L	P	T	Total	L	P	T	Total	Theory		Practical			
												College Assessment	University	College Assessment	University		
1	CE-PCC-701T	Transport Phenomena	BCE	3	0	1	4	3	0	1	4	30	70	-	-	100	45%
2	CE-PCC-702T	Process Modelling and Simulation	BCE	3	0	1	4	3	0	1	4	30	70	-	-	100	45%
3	CE-CEL-703T	Core Elective- III	BCE	3	0	0	3	3	0	0	3	30	70	-	-	100	45%
4	CE-CEL-704T	Core Elective- IV	BCE	3	0	0	3	3	0	0	3	30	70	-	-	100	45%
5	CE-OEL-705T	Open Elective- III	BCE	3	0	0	3	3	0	0	3	30	70	-	-	100	45% <sup>s</sup>
6	CE-OEL-706T	Open Elective- IV	BCE	3	0	0	3	3	0	0	3	30	70	-	-	100	45% <sup>s</sup>
7	CE-PCC-707P	Process Modelling and Simulation Lab	BCE	0	3	0	3	0	1.5	0	1.5	-	-	25	25	50	50%
8	CE-PCC-708P	Seminar and Summer Internship Evaluation	BCE	0	3	0	3	0	1.5	0	1.5	-	-	50	-	50	50%
		Total		18	6	2	26	18	3	2	23	180	420	75	25	700	-

<sup>s</sup> Open Electives offered are only for B.Tech Chemical Engineering and B.Tech Chemical Technology (All specialization). Therefore, students B.Tech Chemical Engineering and B.Tech Chemical Technology (All specialization) need not be restricted from opting the open elective courses offered by their own program.

Elective	Subject Name			
	BOARD			
	BCE			
Core Elective III	Interfacial Science and Engineering	Advanced Catalysis		Advanced Petroleum Refining
Core Elective IV	Piping Engineering	Multiphase Reactor Design		Multiphase Flow
Open Elective III	Nanoscience and Nanotechnology	Optimization of Chemical Processes		Biochemical Engineering
Open Elective IV	Fluidization Engineering	Advanced Materials	Scale up Methods	Sustainable Development and Governance

*[Handwritten signatures and dates]*  
 16/07/2023



**SCHEME OF EXAMINATION**  
**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR**  
**EIGHTH SEMESTER B. TECH (CHEMICAL ENGINEERING)**

Sr. No.	Code	Subject	Board	Work Load Hrs				Credit				Marks				Total Marks	Min. % of Marks Required for Passing
	Theory (T)			L	P	T	Total	L	P	T	Total	Theory		Practical			
												College Assessment	University	College Assessment	University		
1	CE-PCC-801P	Industry Internship / Project	BCE	0	6*	0	6	0	9	0	9	-	-	100	100	200	50%
		Total		0	6	0	6	0	9	0	9	-	-	100	100	200	-

\* Contact Hours Per Week with Guide/Supervisor.

*[Signature]*

*[Signature]*  
*[Signature]*  
 Dr. Anand  
 08/06/2023