

<b>CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY</b>														
<b>Department of Chemical Engineering</b>														
<b>CO-PO attainment Value</b>														
<b>COURSE: B.Tech (Chemical Engineering)</b>							<b>Batch:23-24</b>					<b>R20</b>		

**PO-PSO Direct Attainment**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C101	2.54	1.69	1.76	2.00	-	-	-	-	-	-	-	0.85	-	-
C102	2.37	1.58	1.88	-	-	1.58	1.58	-	-	-	-	1.58	-	-
C103	1.67	1.11	-	-	-	-	-	-	-	-	-	-	-	-
C104	2.67	2.33	2.40	-	1.25	-	-	-	-	-	-	2.17	-	-
C105	2.92	1.95	2.14	-	-	1.75	1.95	-	-	-	-	1.95	-	-
C106	2.25	1.83	2.20	1.20	1.33	-	-	-	-	-	-	1.83	-	-
C107	1.26	1.17	0.93	0.70	1.25	-	0.70	-	-	-	-	1.26	-	-
C108	1.40	1.40	2.10	0.70	-	0.70	1.40	1.40	0.70	-	-	1.40	-	-
C109	2.48	1.65	1.68	1.50	-	-	-	-	-	-	-	0.83	-	-
C110	0.75	1.20	0.75	1.05	0.75	1.05	0.90	0.90	1.50	1.65	0.90	1.65	-	-
C111	0.61	0.40	0.37	0.34	0.37	0.33	0.39	0.28	0.25	0.44	0.25	0.44	-	-
C112	1.64	1.57	1.26	0.63	-	-	-	-	0.63	1.26	-	1.89	-	-
C113	1.25	0.70	1.20	0.80	1.20	1.00	1.50	1.00	1.80	2.60	1.00	1.40	-	-
C114	1.60	1.87	1.60	1.20	0.90	1.28	1.08	1.60	1.07	0.80	1.00	1.20	-	-
C115	1.98	1.32	1.54	-	-	-	-	-	-	-	-	1.32	-	-
C116	2.34	2.03	1.72	0.94	0.75	1.56	-	0.78	1.56	1.72	0.78	1.72	-	-
C201	1.67	1.51	-	-	-	0.76	-	0.76	0.76	-	-	0.76	1.08	1.00
C202	2.00	1.17	1.00	-	-	-	-	-	-	-	-	-	2.00	1.30
C203	1.28	2.12	1.28	1.72	-	-	--	-	---	--	-	---	1.92	1.86
C204	1.79	1.79	1.19	0.67	0.42	-	-	-	-	-	-	0.6	1.2	1.2

C205	1.80	2.20	1.70	1.10	1.40	-	-	-	2.00	2.25	1.40	1.30	2.20	2.10
C206	1.50	2.00	1.48	1.20	1.20	1.00	2.00	1.70	1.50	2.50	1.50	1.30	1.90	1.60
C207	2.17	1.50	1.67	-	-	-	-	-	-	-	-	-	-	-
C208	1.40	1.40	-	1.20	-	-	-	0.70	1.40	0.70	-	0.70	1.40	1.20
C209	2.70	2.80	2.20	1.60	2.30	1.50	1.80	2.70	2.60	2.80	1.80	1.00	2.60	1.90
C210	2.10	2.10	2.07	2.07	0.92	-	2.00	-	-	-	-	0.92	1.59	1.59
C211	2.50	1.00	2.50	1.50	1.30	1.00	0.80	0.70	-	-	-	-	1.17	1.50
C212	2.39	2.09	1.96	0.8	0.8	1.6	2.03	-	1.60	1.60	0.79	0.79	1.93	1.83
C213	2.10	2.10	2.10	1.20	1.12	1.40	1.40	-	1.40	-	1.40	2.10	2.10	1.63
C214	-	2.00	1.00	-	-	3.00	3.00	-	-	-	-	-	2.00	1.60
C215	2.25	2.50	2.60	1.50	1.70	2.50	1.90	1.70	1.80	2.40	2.40	2.00	2.50	2.10
C216	1.89	1.92	1.64	1.23	1.36	1.78	1.87	0.60	-	-	-	-	1.45	0.80
C217	-	-	-	-	-	0.80	0.80	-	2.00	-	-	-	-	-
C218	-	-	0.80	-	1.50	1.00	-	-	-	-	-	1.30	-	-
C219	0.76	-	-	-	-	0.76	1.67	0.76	-	-	-	0.76	1.14	1.14
C220	3.00	2.50	2.80	1.40	1.90	-	3.00	-	3.00	-	-	3.00	3.00	2.00
C221	3.00	2.67	-	-	-	-	-	-	-	-	-	-	2.50	1.00
C301	2.10	2.02	2.34	1.60	1.28	1.63	2.20	1.20	2.20	2.18	0.80	2.11	-	1.00
C302	2.50	2.40	2.55	1.33	1.30	1.80	2.00	-	1.00	2.09	-	1.72	2.60	2.80
C303	2.24	2.24	1.62	-	-	-	-	-	-	-	-	1.88	1.88	2.11
C304	1.88	2.17	1.98	2.17	2.04	2.04	1.62	0.84	1.03	0.95	-	1.39	2.17	1.14
C305	2.20	1.50	1.00	1.50	1.00	2.00	1.00	1.50	1.50	1.00	1.50	2.00	2.00	2.00
C306	3.00	2.80	2.80	-	-	2.50	3.00	-	-	-	1.20	2.00	3.00	1.80
C307	1.50	2.00	2.07	1.50	1.50	1.00	2.00	1.70	1.50	2.50	1.50	1.30	1.90	2.00
C308	2.00	1.17	1.00	1.00	1.50	-	-	-	1.00	2.00	1.60	1.00	-	-
C309	-	2.00	-	-	-	2.00	-	2.00	2.00	2.00	2.00	-	-	-
C310	2.70	2.70	2.50	1.80	1.60	2.50	1.90	1.30	2.50	-	-	2.50	2.50	2.50
C311	3.00	2.67	3.00	2.10	1.60	3.00	-	-	-	1.80	-	1.17	2.50	2.17

C312	1.80	1.10	1.10	0.50	0.90	0.40	0.30	0.40	0.60	-	-	0.70	1.20	1.20
C313	2.4	1.43	1.27	-	-	-	-	-	1.6	-	0.96	0.80	1.65	1.27
C314	2.76	1.22	2.76	2.76	1.84	2.76	-	-	-	-	-	-	2.76	2.76
C315	2.15	2.15	1.97	1.41	-	--	--	--	-	-	-	-	2.12	2.12
C316	2.00	1.90	-	-	-	2.00	2.00	-	-	-	-	1.60	1.20	1.80
C317	2.00	2.00	3.00	1.80	-	2.50	-	-	-	-	-	2.50	3.00	1.50
C318	2.60	2.60	3.00	1.60	1.50	2.00	3.00	1.00	1.00	-	-	1.00	3.00	1.00
C319	-	2.67	2.00	-	-	1.20	-	2.00	1.50	2.50	1.00	1.50	-	2.00
C320	2.88	1.92	1.92	1.92	1.73	-	-	-	1.92	-	-	1.92	2.88	1.92
C401	2.50	2.00	-	2.10	-	3.00	-	-	3.00	-	3.00	-	3.00	2.00
C402	-	-	-	-	-	1.80	1.00	-	1.80	3.00	-	1.80	-	-
C403	1.50	1.00	1.00	1.00	1.00	1.00	2.00	1.80	1.80	-	-	1.00	1.50	1.50
C404	1.63	2.02	2.00	1.65	1.51	0.95	1.63	1.64	0.82	0.82	0.82	2.08	1.93	1.93
C405	1.50	1.20	1.60	1.80	1.00	1.50	-	-	-	-	-	-	1.20	1.20
C406	3.00	3.00	-	1.60	-	2.00	1.00	-	1.00	2.00	2.00	2.00	2.00	1.50
C407	0.72	0.78	1.14	1.62	0.67	1.21	0.71	0.74	-	-	-	-	1.05	0.85
C408	2.27	1.48	2.73	1.57	1.20	1.99	2.73	1.82	1.23	1.08	1.03	2.73	2.10	1.75
C409	-	2.67	-	-	-	1.50	-	2.50	2.20	3.00	2.80	-	-	-
C410	2.02	0.83	1.20	1.66	1.50	1.80	1.80	1.80	1.50	1.00	1.00	0.89	-	-
C411	2.67	2.67	2.00	1.80	1.00	1.50	-	1.50	1.20	3.00	1.80	1.60	-	-
C412	3.00	3.00	1.00	1.80	1.00	2.00	1.00	1.00	-	-	-	2.00	-	-
C413	2.00	2.00	2.30	1.55	1.37	1.90	2.00	1.50	2.10	2.50	1.30	1.90	1.90	1.90
C414	2.00	2.50	2.00	1.45	1.17	2.00	2.00	1.00	1.00	1.00	1.00	2.50	2.33	1.60
C415	3.00	3.00	2.00	1.60	1.50	2.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00
C416	2.40	2.30	2.70	1.30	1.30	1.30	-	-	1.30	1.50	1.80	1.30	1.30	1.30
C417	2.20	2.40	1.90	1.50	1.60	2.10	2.40	1.80	2.30	2.50	1.90	2.20	2.40	2.44
<b>Direct Attainment</b>	2.11	1.93	1.84	1.40	1.25	1.65	1.65	1.29	1.52	1.82	1.46	1.55	2.03	1.65

**PO-PSO Indirect Attainment**

Survey	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Employer	2.14	2.14	1.89	1.70	1.42	2.10	1.90	1.52	1.50	1.92	1.50	1.67	2.20	1.79
Alumni	1.90	1.79	1.87	1.68	1.01	1.74	1.61	1.19	1.08	1.36	1.34	2.41	1.74	1.40
Program exit survey	2.32	2.44	2.18	1.48	1.39	1.86	1.85	1.33	1.54	1.90	1.60	1.98	1.99	1.85
Parent	2.08	2.17	1.92	1.94	1.35	1.57	1.72	1.53	1.85	1.71	1.61	2.01	2.02	2.27
<b>Indirect Attainment</b>	<b>2.10</b>	<b>2.20</b>	<b>2.40</b>	<b>1.50</b>	<b>1.30</b>	<b>2.00</b>	<b>1.98</b>	<b>1.80</b>	<b>2.27</b>	<b>2.20</b>	<b>2.40</b>	<b>2.00</b>	<b>2.20</b>	<b>2.00</b>

**PO & PSO Attainment Level**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Direct Attainment	2.11	1.93	1.84	1.40	1.25	1.65	1.65	1.29	1.52	1.82	1.46	1.55	2.03	1.65
Indirect Attainment	2.10	2.20	2.40	1.50	1.30	2.00	1.98	1.80	2.27	2.20	2.40	2.00	2.20	2.00
Final Attainment	2.11	1.98	1.96	1.42	1.26	1.72	1.71	1.39	1.67	1.89	1.65	1.64	2.06	1.72



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