

**Table 2: OPENING AND CLOSING RANKS OF GE, SC AND ST CANDIDATES (JEE-2005)**

COURSE	IIT							IT-BHU	ISM	
	BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD	
	B	D	W	K	G	M	R	V	S	
<b>Four-year B.Tech. Courses</b>										
1	Aerospace Engineering	0315-1120 0075-0160 -----			0581-1438 0072-0161 0020-0020	1392-1826 0205-0254 -----	1040-1625 0224-0247 -----			
2	Agricultural and Food Engineering					2593-2989 -----				
3	Biological Sciences and Bioengineering				1038-1849 0184-0336					
4	Biotechnology			2007-2703			0844-1899 0283-0375	1933-2532 0403-0403		
5	Biotechnology and Biochemical Engineering					0880-1888 0318-0329 0040-0040				
6	Ceramic Engineering								3416-4018 ----- -----	
7	Chemical Engineering	0575-1018 0107-0249 -----	0719-1169 0169-0272 -----	1867-2476 0322-0322 -----	0639-1255 0202-0258 -----	1335-1685 0263-0296 -----	0884-1581 0213-0347 -----	1398-1961 0325-0382 -----	2953-3318 ----- -----	
8	Civil Engineering	1117-1986 0291-0364 -----	1475-2159 0191-0397 -----	2610-2944 ----- -----	1707-2359 0305-0383 -----	1971-2506 ----- -----	1754-2319 0324-0400 -----	2083-2774 0331-0390 -----	3165-3798 ----- -----	
9	Computer Science and Engineering	0003-0053 0002-0010 0003-0007	0006-0144 0006-0030 0014-0026	0466-1109 0140-0215 -----	0001-0129 0005-0029 0001-0013	0028-0464 0024-0051 0016-0025	0018-0160 0026-0050 0008-0010	0393-0742 0105-0143 0032-0056	1139-2401 0261-0399 -----	2836-3933 ----- -----
10	Electrical Engineering	0002-0117 0013-0048 0005-0012	0110-0204 0031-0053 0002-0015		0108-0275 0012-0067 0018-0039	0423-0662 0085-0121 0046-0050	0090-0396 0008-0117 0033-0068	0723-1382 0135-0229 0049-0071	2560-2877 0396-0396 -----	New
11	Electrical Engineering (Power)		0720-1029 0118-0152 0043-0055							
12	Electronics Engineering								1307-2571 0144-0380 -----	3075-3985 0373-0373 -----
13	Electronics and Communication Engineering			0860-1389 0218-0273 -----				0444-0830 0018-0164 0069-0069		
14	Electronics and Electrical Communication Engineering					0015-0469 0032-0063 0036-0047				
15	Energy Engineering					1336-1792 0274-0340				
16	Engineering Physics	0428-1176 0058-0264 -----	0330-1781 0196-0394 -----	New			0362-1429 0402-0402 -----			
17	Environmental Engineering									New
18	Industrial Engineering					1644-1911 0350-0388				
19	Instrumentation Engineering					0871-1170 0186-0255				
20	Manufacturing Science and Engineering					1186-1600 0311-0367 -----				
21	Materials and Metallurgical Engineering				1574-2345 0377-0377 -----					
	Metallurgical and Materials Engineering					1959-2393	1645-2442	2439-2940		
22	Mathematics and Computing			New						
23	Mechanical Engineering	0167-0532 0076-0109 0021-0035	0373-0699 0064-0141 0030-0065	1403-1814 0277-0319 -----	0294-0717 0071-0124 0052-0072	0713-0928 0055-0166 0006-0063	0473-0853 0082-0204 0048-0075	1143-1548 0168-0245 -----	2347-3058 0404-0404 -----	3526-4174 ----- -----
24	Metallurgical Engineering								3292-3659 ----- -----	

COURSE		IIT						IT-BHU	ISM	
		BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD
		B	D	W	K	G	M	R	V	S
25	Metallurgical Engineering and Materials Science	1216-1919 0378-0398								
26	Mineral Engineering									4237-4613 -----
27	Mining Engineering					2923-3103 -----		3787-4384 -----		3983-4631 -----
28	Mining Machinery Engineering									4184-4620 -----
29	Naval Architecture and Ocean Engineering						1737-2738 -----			
30	Ocean Engineering and Naval Architecture					2090-2573 -----				
31	Petroleum Engineering									2821-3702 -----
32	Production and Industrial Engineering		0702-1300 0266-0359 0070-0070					1691-2135 0389-0405 -----		
33	Pulp and Paper Engineering							2994-3678 -----		
34	Textile Technology		1807-2780 -----							
<b>Four-year B.Pharm. Course</b>										
35	Pharmaceutics								4421-4617 -----	
<b>Four-year B.Des. Course</b>										
36	Design			3014-3895 -----						
<b>Five-year B.Arch. Course</b>										
37	Architecture					3568-4291 -----		3338-4613 -----		
<b>Five-year M. Pharm Dual Degree Course</b>										
38	Pharmaceutics								New	
<b>Five-year M.Sc. Integrated Courses</b>										
39	Applied Geology					3393-3776 -----				
40	Applied Physics									New
41	Chemistry	2633-3414 -----		3400-3885	3104-3533 -----					New
42	Economics				2020-3481	3199-3759 -----				
43	Exploration Geophysics					3125-3412 -----				
44	Industrial Chemistry					3207-3553 -----				
45	Mathematics and Computing					1955-2624 -----				New
46	Mathematics and Scientific Computing				1723-2916 -----					
47	Physics				0005-2973 0317-0317	1523-3186 -----				
48	Statistics and Informatics					2722-3139 -----				

COURSE	IIT							IT-BHU	ISM
	BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD
	B	D	W	K	G	M	R	V	S
<b>Five-year M.Sc. Tech. Integrated Courses</b>									
49	Applied Geology								New
50	Applied Geophysics								New
<b>Five-year M.Tech. Integrated Courses</b>									
51	Engineering Physics							2510-3513	
52	Industrial Chemistry							3682-4008	
53	Mathematics and Computing		0475-1068 0268-0333					2874-3196 -----	
54	Polymer Science and Technology						New		
<b>Five-year M.Tech. Dual Degree Courses</b>									
55	Aerospace Engineering	1202-1617 0182-0235 -----			1265-1730 0125-0125 -----	1173-1920 0267-0267 -----	1689-1873 0269-0301 -----		
56	Agricultural and Food Engineering with M.Tech. in any of the listed specializations*					2964-3091 ----- -----			
57	Biochemical Engineering							New	
58	Biochemical Engineering and Biotechnology		0642-1871 0243-0384 -----						
59	Bioengineering with M.Tech. in Biomedical Technology							New	
60	Biotechnology						1812-2277 0033-0346 -----		
61	Biotechnology and Biochemical Engineering					1935-2180 0314-0314 -----			
62	Ceramic Engineering							4028-4136	
63	Chemical Engineering				1268-1452 0290-0337 -----	1714-1988 0369-0369 -----	1617-1856 0394-0394 -----		
64	Chemical Engineering with M.Tech. in Computer Applications in Chemical Engineering		1244-1486 0220-0315 -----						
65	Chemical Engineering with M.Tech. in Hydrocarbon Engineering						1244-1486 0220-0315 -----		
66	Chemical Engineering with M.Tech. in Process Engineering and Design		1495-1623 0341-0353 -----						
	Chemical Engineering with M.Tech. in Process Systems Design and Engineering	1028-1267 0282-0299 -----							
67	Civil Engineering				2445-2650				
68	Civil Engineering with specializations in Infrastructural Civil Engineering in M.Tech.						2331-2765 ----- -----		
69	Civil Engineering with M.Tech. in Structural Engineering	1893-2462 -----						3385-3868	
70	Civil Engineering with M.Tech. in any of the listed specializations*					2545-2777 0368-0368 -----			
71	Computer Science and Engineering	0134-0263 0017-0069 0044-0051	0206-0320 0084-0090 0031-0053		0189-0422 0034-0100 0029-0054	0445-0611 0099-0139 0064-0074	0426-0488 0068-0150 0028-0028	1822-2693 0356-0356	
72	Computer Science and Engineering with M.Tech. in Information Technology						0832-1124 0154-0171 -----		

COURSE		IIT						IT-BHU	ISM	
		BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD
		B	D	W	K	G	M	R	V	S
73	Electrical Engineering				0319-0494 0016-0120 0073-0073					
74	Electrical Engineering with M.Tech. in Communications and Signal Processing	0135-0425 0096-0119 -----								
75	Electrical Engineering with specializations in Communication Engineering in M.Tech.						0543-0718 0170-0179 -----			
76	Electrical Engineering with M.Tech. in Information and Communication Technology		0250-0443 0167-0174 0023-0023							
77	Electrical Engineering with M.Tech. in Microelectronics	0122-0298 0060-0080 0057-0061								
78	Electrical Engineering with M.Tech. in Microelectronics and VLSI Design in M.Tech.						0478-0597 0158-0187 -----			
79	Electrical Engineering with M.Tech. in any of the listed specializations*					0917-1111 0146-0162 0076-0076				
80	Electrical Engineering with M.Tech. in Power Electronics								New	
81	Electrical Engineering with specialization in Power Systems and Power Electronics in M.Tech.						0933-1220 0206-0220 -----			
82	Electronics and Communication Engineering with M.Tech. in Wireless Communication							0881-1084 0175-0210 -----		
83	Electronics and Electrical Communication Engineering with M.Tech. in any of the listed specializations*					0521-0723 0073-0077 0017-0017				
84	Engineering Design with specialization in Automotive Engineering in M.Tech.						1288-2190 0295-0401			
85	Engineering Physics with M.Tech. in Engineering Physics with specialization in Nanoscience	0262-1349 0177-0177 -----								
86	Industrial Engineering with M.Tech. in Industrial Engineering and Management					1457-2260 -----				
87	Manufacturing Science and Engineering with M.Tech. in Industrial Engineering and Management					1811-2138 0294-0294 -----				
88	Material Science and Technology								3653-4006	
89	Mechanical Engineering				0733-0945 0147-0193				3068-3141	
90	Mechanical Engineering with M.Tech. in Computer Aided Design and Automation	0548-0750 0148-0155								
91	Mechanical Engineering with M.Tech. in Computer Integrated Manufacturing	0772-0879 0158-0173								
92	Mechanical Engineering with specialization in Energy Technology in M.Tech.						1132-1550 0237-0241			
93	Mechanical Engineering with specialization in Intelligent Manufacturing in M.Tech.						0909-1196 0232-0239			
94	Mechanical Engineering with specialization in Product Design in M.Tech.						0933-1385 0176-0212			
95	Mechanical Engineering with M.Tech. in any of the listed specializations*					1091-1638 0240-0285 -----				
96	Mechanical Engineering with M.Tech. in Thermal and Fluids Engineering	0928-1129 0188-0207								
97	Metallurgical Engineering								3616-3883	

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		BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD
		B	D	W	K	G	M	R	V	S
98	Metallurgical Engineering and Materials Science with M.Tech. In Ceramics and Composites	2016-2467 ----- -----								
99	Metallurgical Engineering and Materials Science with M.Tech. in Metallurgical Process Engineering	2329-2669 ----- -----								
	Metallurgical and Materials Engineering					2200-2785 -----				
100	Metallurgical and Materials Engineering with M.Tech. in Metallurgical & Materials Engineering					2634-2830 ----- -----				
101	Mineral Engineering with M.Tech. In Material Technology									New
102	Mineral Engineering with M.Tech. In Mineral Resource Management									New
103	Mining Engineering					3146-3259			New	New
104	Mining Engineering with MBA									New
105	Mining Engineering with M.Tech. in Safety Engineering and Disaster Management in Mines					3120-3287				
106	Naval Architecture and Ocean Engineering						2568-2873			
107	Ocean Engineering and Naval Architecture					2607-2920				
108	Petroleum Engineering with M.Tech. in Petroleum Management									New

**Note:** In each cell (columns 3-11), the figures given in the first row indicate the opening and closing ranks for GE candidates, the second row gives the same for SC candidates, and the third row for ST candidates. The data are based on JEE-2005 results.