

# JEE (Advanced) -2016

## Executive Summary

1. **URL for JEE (Advanced):** A common URL for JEE (Advanced) information website was introduced. The URL is [www.jeeadv.ac.in](http://www.jeeadv.ac.in)
2. **Top 2 lakh Candidates:** In view of increase in the number of seats at IITs, category wise top 2,00,000 candidates were to be shortlisted from JEE (Main) 2016. This number is increased from 1,50,000 which was followed since 2013 to 2015.
3. **No. of Candidates Registered and Qualified:** As there were not enough PwD candidates who scored positive marks in JEE (Main) 2016, a total of 1,98,228 candidates were declared to be eligible for JEE (Adv) 2016. Only 1.56 L out of the 1.98 L eligible candidates registered to appear for JEE (Adv) 2016. Of these, 36.5 thousand candidates qualified for admission.
4. **Hindi Medium:** Number of candidates registered for the question paper in Hindi medium is 12244 (7.85% of total) of which 11509 (7.79% of total) appeared in the exam. A total of 1858 (5.08% of total) candidates qualified in the examination who registered for Hindi medium question paper.
5. **Female Candidates:** A total of 29983 female candidates registered to JEE (Adv) 2016. Of which, 4570 candidates qualified the examination.
6. **New Cities:** JEE (Adv) 2016 was held in 444 centers across the country and in Dubai. The exam was held at 16 new cities in comparison to JEE (Adv) 2015.
7. **Partial Marking:** Partial marking for multiple correct choices questions was successfully introduced in JEE (Adv) 2016. Total 44% questions carried partial marks.
8. **Error Free Question Paper:** JEE (Adv) 2016 question papers did not have any errors and there no change in declared key even after the feedback from the public. However, during the freezing of answer keys, it was identified that for 3 questions alternative answers are possible according to the interpretations given to the questions. Hence, two each correct alternatives were considered as answers for those 3 questions.
9. **Biometric Registration and Verification:** Biometric data (digital photograph and finger prints of two fingers) of all candidates using handheld devices was collected during Paper-1 (forenoon session) of JEE (Adv) 2016. During Paper-2, the data was verified with the candidates present in the afternoon session. The candidates were also verified against their biometric data when they reported at reporting centers at the time of seat allotment and finally at the time of admission at their respective Institutes.
10. **Revised Qualifying Criteria:** Since enough candidates in reserved categories did not meet the declared qualifying criteria (i.e., 10% in each subject and 35% aggregate and appropriate relaxation for reserved categories), the qualifying criteria was lowered. The aggregate criterion was lowered to 20% but the subject criteria remain unchanged.
11. **All India Rank 1:** The topper of JEE (Adv) 2016 has scored a total of 320 out of 372 marks. He scored 113 marks in Physics, 105 marks in Chemistry and 102 marks in Mathematics, each of which is out of 124 marks.
12. **AAT 2016:** The number of candidates registered for Architecture Aptitude Test (AAT) 2016 is 2001. Of which, 789 candidates appeared for the test and 662 candidates passed the test.
13. **New IITs:** IIT Bhilai, IIT Goa, IIT Jammu and IIT Dharwad started with seat capacity of 120, 90, 90 and 120, respectively.
14. **10% Supernumerary Seats for Foreign Nationals:** JAB reviewed the decision on the number of supernumerary seats available for foreign nationals. It was decided that the number will be 10% of the total seats available at each Institute.

15. **OPEN Seats for OCI/PIO Candidates:** Until 2015, OCI/PIO candidates were allotted supernumerary seats along with other foreign nationals. Considering the Govt of India norms for OCI/PIO candidates, in 2016, JAB decided to give OPEN seats for OCI/PIO candidates. Accordingly, OPEN seats were allotted to them.
16. **DS Seats:** JAB decided to give two additional seats (over and above the number of seats available) at each Institute to DS candidates. The policy of allotment remain unchanged, that is the preferential allotment.
17. **JoSAA 2016:** Seat allotment was continued under Joint Seat Allocation Authority (JoSAA) managed by JAB and CSAB.
18. **Six Rounds of Seat Allotments:** CBSE has declared JEE (Main) 2016 ranks well within the declared date by 23<sup>rd</sup> June 2016. Accordingly, JoSAA 2016 six rounds of seat allotments for all Institutes. JoSAA 2015 conducted four rounds of seat allotments.
19. **Withdrawal Option:** Withdrawal option was introduced in JoSAA 2016. Candidates who accepted seat could withdraw the seat until the penultimate round, i.e., 5<sup>th</sup> round, acceptance period.
20. **Reporting Centers at all IITs:** Except very new IITs, reporting centers were operated at all 16 IITs. JAB reintroduced the processing fee at reporting centers. Rs 1000/- was deducted from the seat acceptance fee towards the processing fee.
21. **No. of Candidates Registered:** The total number of candidates registered for JoSAA 2016 is 1,84,776. They filled a total of 1,68,13,040 choices. Among these candidates 33,445 candidates qualified JEE (Adv) 2016 and they filled 41,48,502 choices in total.
22. **Significant Improvement in JoSAA Software:** The seat allotment software developed at IIT Kanpur was improved significantly from JoSAA 2015 to JoSAA 2016. Currently, the software takes only 2 minutes for each iteration of seat allotment over the number of candidates specified above.
23. **Very Few Vacancies:** Except two ST seats in BArch at IIT Roorkee, all seats at IITs and ISM Dhanbad were allotted by the end of all seat allotments. Out of 10576 candidates who were offered the admission, some of them did not accept the seats in final round. Eventually, 73 seats (i.e., 0.76% seats) at IITs and 23 seats (i.e. 2.52%) at ISM Dhanbad were left vacant at the end of final round (6<sup>th</sup> round) seat acceptance.
24. **Foreign Nationals:** 24 OCI/PIO candidates and one other foreign national were offered seats at IITs.
25. **Female Candidates:** A total of 847 (8% of total seats) female candidates were offered admission across all IITs and ISM Dhanbad.
26. **Girls in Mining Courses:** As a common criteria across all Institutes under JAB, females candidates were allowed to take admission in Mining Engineering or Mining Machinery Engineering related courses.
27. **Preparatory Course:** Total 107 preparatory candidates were offered admission across all IITs and ISM Dhanbad.
28. **Candidates' Demographics:** More than 50% of the candidates qualified and offered admission have declared that their mode of preparation for the examination is self-study. Further, about 25% candidates had their schooling at rural areas and remaining 75% had at urban areas.
29. **Institutes using JEE (Adv) Ranks:** In addition to IISc, IIST, RGIPT and IISERs, IIPE Visakhapatnam used JEE (Adv) 2016 ranks for admission to their UG programmes.
30. **Court Cases:** There were a few cases filed against JEE (Adv) 2016 at various courts for undue favor. Therefore, none of them have hampered the main business and the activities concluded smoothly. While some of them are pending at the respective courts, others were dismissed.

## Summary of Statistics of JEE (Advanced) 2016

### Number of Candidates from JEE (Main) 2016 to JEE (Advanced) 2016

Category	Required Candidates		Shortlisted Candidates	
	Breakup	Total	Breakup	Cut-offs
OPEN	97,970	1,01,000	98,238	100
OPEN-PwD	3,030		2,835	1
OBC-NCL	52,380	54,000	52,501	70
OBC-NCL-PwD	1,620		--	
SC	29,100	30,000	29,954	52
SC-PwD	900		--	
ST	14,550	15,000	14,700	48
ST-PwD	450		--	
Total		2,00,000	1,98,228	

### Summary of Number of Candidates of JEE (Advanced) 2016

Category	PwD Status	Registered	Appeared	Qualified	Offered Admission
GEN	No	60742	58965	18744	5153
	Yes	842	794	219	119
OBC-NCL	No	56702	53681	7743	2845
	Yes	539	506	129	69
SC	No	26032	24093	7324	1579
	Yes	117	102	15	9
ST	No	10799	9515	2386	799
	Yes	24	22	6	3
Total		155797*	147678	36566	10576
Male		125814	119900	31996	9729
Female		29983	27778	4570	847
OCI/PIO		150	138	69	24
Foreign		19	18	2	1

\*151 Candidates registration was incomplete.

However, total number of registered candidates was considered as 155948.

## JEE (Adv) 2016 Results

### Qualifying Criteria for JEE (Advanced) 2016

The total marks obtained in Mathematics will be the marks awarded for Mathematics in Paper 1 and Paper 2. The total marks obtained in Physics and Chemistry will also be calculated in the same way. The aggregate marks will be calculated as the sum of the marks obtained in Mathematics, Physics and Chemistry. Candidates have to satisfy the subject-wise as well as the aggregate qualifying marks to be included in a rank list.

Maximum aggregate marks: 372 (186 each in Paper-1 and Paper-2)

Maximum marks in Physics: 124 (62 each in Paper-1 and Paper-2)

Maximum marks in Chemistry: 124 (62 each in Paper-1 and Paper-2)

Maximum marks in Mathematics: 124 (62 each in Paper-1 and Paper-2)

#### Criteria for Inclusion in a Rank List

Rank List	Minimum Percentage of Marks in Each Subject	Minimum Percentage of Aggregate Marks (Revised)	Minimum Percentage of Aggregate Marks (Original)
Common rank list (CRL)	10.0	20	35.0
OBC-NCL rank list	9.0	18	31.5
SC rank list	5.0	10	17.5
ST rank list	5.0	10	17.5
Common-PwD rank list (CRL-PwD)	5.0	10	17.5
OBC-NCL-PwD rank list	5.0	10	17.5
SC-PwD rank list	5.0	10	17.5
ST-PwD rank list	5.0	10	17.5
Preparatory course (PC) rank lists	2.5	05	8.75

#### Qualifying Marks

Category	PwD Status	Rank List	Minimum Marks in Each Subject	Minimum Aggregate Marks
Any	Any	CRL	13	75
OBC-NCL	Any	OBC-NCL rank list	12	67
SC	Any	SC rank list	07	38
ST	Any	ST rank list	07	38
Any	Yes	CRL-PwD	07	38
OBC-NCL	Yes	OBC-NCL-PwD rank list	07	38
SC	Yes	SC-PwD rank list	07	38
ST	Yes	ST-PwD rank list	07	38
Any	Yes	PC-CRL-PwD	04	19
OBC-NCL	Yes	PC-OBC-NCL-PwD	04	19
SC	Any	PC-SC	04	19
SC	Yes	PC-SC-PwD	04	19
ST	Any	PC-ST	04	19
ST	Yes	PC-ST-PwD	04	19

## Results of JEE (Advanced) 2016

### JEE (Advanced) 2016: Number of Qualified Candidates

Extent of Relaxation in Qualifying Marks	Category	GEN		OBC-NCL		SC		ST		Total
	PwD	No	Yes	No	Yes	No	Yes	No	Yes	
<b>Non-Preparatory Rank Lists</b>										
No Relaxation		18743	38	6107	16	822	1	212	0	25939
10% Relaxation				1637	3					1640
50% Relaxation			85		39	3013	6	919	3	4065
Total (Non-Preparatory)		18743	123	7744	58	3835	7	1131	3	31644
<b>Preparatory Rank Lists</b>										
75% Relaxation			96		71	3489	8	1255	3	4922
Total Qualified		18743	219	7744	129	7324	15	2386	6	36566

### Rank 1 Candidates in the Respective Rank Lists

Rank List	Rank	Name	City/Town
CRL	1	Aman Bansal	Jaipur
CRL	2	Bhavesh Dhingra	Yamuna Nagar
CRL	3	Kunal Goyal	Jaipur
CRL	1 (Girls)	Riya Singh (AIR 133)	Kota
OBC-NCL	1	Duggani Jeevithiesh	Vijayawada
SC	1	Chinmay Awale	Navi Mumbai
ST	1	Mude Chaithanya Naik	Punganur
CRL-PwD	1	Kalluri Hari Prasad	Guntur
OBC-NCL-PwD	1	Neelesh Verma	Kanpur
SC-PwD	1	Samprit Shekhar Jambhulkar	Panchasheel Nagar
ST-PwD	1	Vineeth Krishna Lambadi	Anantapur

### Zone-Wise Distribution of Candidates

Zone	Topper	Number of Candidates within the			Total Qualified
		Top 10	Top 100	Top 500	
IIT Bombay	Aman Bansal (AIR 1)	3	37	153	8810
IIT Delhi	Kartik Patekar (AIR 6)	1	18	89	5941
IIT Guwahati	Ishan Tarunesh (AIR 33)	0	1	10	2468
IIT Kanpur	Sharvik Mital (AIR 29)	0	4	31	4443
IIT Kharagpur	Satti Vamsi Krishna Reddy (AIR 20)	0	3	35	4560
IIT Madras	Duggani Jeevithiesh (AIR 4)	5	30	131	6702
IIT Roorkee	Bhavesh Dhingra (AIR 2)	1	7	51	3642

### Marks of First and Last Ranked Candidates in Each Category

Rank List	Rank	Physics	Chemistry	Mathematics	Total Marks
CRL	1	113	105	102	320
	25939	16	46	13	75
OBC-NCL	1	108	89	103	300
	7764	19	36	12	67
SC	1	91	93	79	263
	3844	7	24	7	38
ST	1	74	72	70	216
	1134	8	23	7	38

### Aggregate Total Marks with Different Ranks in CRL

Rank	Marks
1	320
101	246
201	230
301	219
401	211
501	204
601	199
701	194
801	190
901	187
1001	184
1101	180
1201	178
1301	175
1401	173
1501	171
1601	169
1701	167
1801	166
1901	164
2001	162
2101	161
2101	161
2201	160
2301	158
2401	157
2501	155
2601	154
2701	153
2701	153
2801	152
2901	151
3001	150
3101	149
3201	148
3301	147

Rank	Marks
3401	146
3501	145
3601	144
3701	144
3801	143
3901	142
4001	141
4101	141
4201	140
4301	139
4401	139
4501	138
4601	137
4701	136
4801	136
4901	135
5001	134
5101	134
5201	133
5301	133
5401	132
5501	131
5601	131
5601	131
5701	130
5801	130
5901	129
5901	129
6001	129
6101	128
6201	128
6301	127
6301	127
6401	127
6501	126
6501	126

Rank	Marks
6601	126
6801	125
6901	124
7001	124
7101	123
7201	123
7301	122
7501	121
7601	121
7701	120
7801	120
7901	120
8001	119
8001	119
8101	119
8101	119
8201	118
8301	118
8301	118
8401	117
8501	117
8601	117
8701	116
8801	116
8901	115
9001	115
9301	114
9401	114
9501	113
9601	113
9701	113
9801	112
10001	111
10101	111
10201	111
10301	110

Rank	Marks
10501	110
10601	109
10701	109
10801	109
10901	108
11001	108
11101	108
11101	108
11201	107
11301	107
11501	107
11601	106
11701	106
11801	106
11901	105
12001	105
12001	105
12101	105
12201	104
12401	104
12501	104
12801	103
12801	103
12901	102
13001	102
13101	102
13301	101
13401	101
13501	101
13501	101
13601	101
13701	100
13801	100
14001	99
14301	99
14401	98
14501	98
14501	98
14601	98
14701	98
14801	97
14901	97
14901	97
15101	97
15101	97
15201	96
15301	96
15401	96
15501	96
15501	96
15601	95
15701	95
15701	95

Rank	Marks
15801	95
15901	95
16101	94
16201	94
16201	94
16401	93
16401	93
16501	93
16501	93
16601	93
16801	92
16901	92
17001	92
17201	92
17301	91
17601	91
17701	90
17801	90
17901	90
18001	90
18101	90
18201	89
18301	89
18301	89
18501	89
18601	88
18701	88
18801	88
18801	88
18901	88
19001	88
19001	88
19101	87
19201	87
19401	87
19501	86
19601	86
19701	86
19701	86
19701	86
19901	86
20001	86
20001	86
20101	85
20101	85
20101	85
20301	85
20301	85
20301	85
20301	85
20401	85
20401	85
20501	85

Rank	Marks
20601	84
20601	84
20701	84
21001	84
21101	83
21201	83
21201	83
21301	83
21401	83
21501	82
21701	82
21701	82
21801	82
21901	82
21901	82
21901	82
21901	82
22001	82
22101	81
22401	81
22601	81
22601	81
22701	80
23001	80
23101	80
23201	79
23401	79
23401	79
23401	79
23701	78
23901	78
23901	78
24001	78
24001	78
24101	78
24101	78
24101	78
24101	78
24301	77
24401	77
24601	77
24701	77
24701	77
24801	77
24901	76
24901	76
25101	76
25101	76
25101	76
25101	76
25101	76
25201	76
25201	76
25201	76
25201	76

Rank	Marks
25301	76
25301	76
25301	76

Rank	Marks
25401	75
25501	75
25601	75

Rank	Marks
25601	75
25701	75
25801	75

### Aggregate Total Marks with Different Ranks in ST Category

Rank	Marks
1	216
101	95
201	79
301	70

Rank	Marks
401	63
501	58
601	54
701	51

Rank	Marks
801	47
901	44
1001	41
1101	38

### Aggregate total of marks with different ranks in SC Category

Rank	Marks
1	263
101	128
201	110
301	101
401	94
501	88
601	84
701	81
801	78
901	75
1001	73
1101	71
1201	69

Rank	Marks
1301	67
1401	65
1501	63
1601	62
1701	60
1801	59
1901	58
2001	56
2101	55
2201	54
2301	53
2401	52
2601	50

Rank	Marks
2701	49
2801	48
3001	45
3101	45
3201	44
3201	44
3301	43
3401	42
3501	41
3601	40
3701	39
3801	38

### Aggregate Total Marks with Different Ranks in OBC (NCL) Category

Rank	Marks
1	300
101	191
201	171
301	163
401	155
501	149
601	145
701	141
801	137
901	134
1001	131
1101	128
1201	126
1301	123
1401	121
1501	119
1601	117
1701	115
1801	114
1901	112

Rank	Marks
2001	111
2101	109
2201	108
2301	107
2401	106
2501	104
2701	102
2801	101
3001	98
3001	98
3101	97
3201	96
3301	95
3401	94
3501	93
3601	93
3701	92
3801	91
4001	89
4101	89

Rank	Marks
4201	88
4301	87
4401	86
4501	86
4601	85
4701	84
4901	83
5001	82
5101	82
5201	81
5301	80
5401	80
5501	79
5601	78
5701	78
5801	77
5901	77
5901	77
6001	76
6101	76

Rank	Marks
6101	76
6201	75
6301	74
6401	74
6401	74
6501	73

Rank	Marks
6601	73
6701	72
6801	72
6901	71
7101	70
7201	70

Rank	Marks
7301	69
7401	68
7501	68
7601	67
7701	67



**JEE (Advanced) 2016**  
**Question-wise Candidates' Performance in Physics**

(Question numbers are as per the sequence in Code-1)

**Paper 1**

Question No.	Not Attempted	Wrong Response	Correct Response	Partial Correct (1 Mark)	Partial Correct (2 Marks)	Partial Correct (3 Marks)	Unattempted Percentage	Wrong Response Percentage	Correct Response Percentage	Partial Correct Percentage
Q.1	26483	41919	79276				17.93	28.39	53.68	
Q.2	74281	34818	38579				50.30	23.58	26.12	
Q.3	99416	31720	16542				67.32	21.48	11.20	
Q.4	31771	69096	46811				21.51	46.79	31.70	
Q.5	64828	58028	24822				43.90	39.29	16.81	
Q.6	72163	26329	4631	30191	14364	0	48.87	17.83	3.14	30.17
Q.7	83663	18853	10477	16581	18104	0	56.65	12.77	7.09	23.49
Q.8	81543	44890	4663	16582	0	0	55.22	30.40	3.16	11.23
Q.9	79140	38957	12455	17126	0	0	53.59	26.38	8.43	11.60
Q.10	72549	30856	26365	17908	0	0	49.13	20.89	17.85	12.13
Q.11	83413	48227	3178	12860	0	0	56.48	32.66	2.15	8.71
Q.12	24721	12431	42133	34963	33430	0	16.74	8.42	28.53	46.31
Q.13	48414	20468	18408	25092	35296	0	32.78	13.86	12.46	40.89
Q.14	8604	121125	17949				5.83	82.02	12.15	
Q.15	10215	108884	28579				6.92	73.73	19.35	
Q.16	6551	111241	29886				4.44	75.33	20.24	
Q.17	5914	79650	62114				4.00	53.93	42.06	
Q.18	7474	105832	34372				5.06	71.66	23.27	

**Paper 2**

Q.1	90991	36578	20109				61.61	24.77	13.62	
Q.2	27104	29949	90625				18.35	20.28	61.37	
Q.3	79788	41777	26113				54.03	28.29	17.68	
Q.4	63194	70914	13570				42.79	48.02	9.19	
Q.5	80125	52036	15517				54.26	35.24	10.51	
Q.6	41945	64148	41585				28.40	43.44	28.16	
Q.7	108433	21112	9172	8961	0	0	73.43	14.30	6.21	6.07
Q.8	62342	68116	17220	0	0	0	42.21	46.12	11.66	0.00
Q.9	74063	19809	5312	33175	15319	0	50.15	13.41	3.60	32.84
Q.10	60475	64523	8066	14614	0	0	40.95	43.69	5.46	9.90
Q.11	70842	0	2685	37216	28995	7940	47.97	0.00	1.82	50.21
Q.12	70148	22681	6442	27416	20991	0	47.50	15.36	4.36	32.78
Q.13	72673	40947	11942	22116	0	0	49.21	27.73	8.09	14.98
Q.14	40989	65639	15852	25198	0	0	27.76	44.45	10.73	17.06
Q.15	3816	106911	36951				2.58	72.39	25.02	
Q.16	3546	104575	39557				2.40	70.81	26.79	
Q.17	4227	107199	36252				2.86	72.59	24.55	
Q.18	3765	103293	40620				2.55	69.94	27.51	

**JEE (Advanced) 2016**  
**Question-wise Candidates' Performance in Chemistry**

(Question numbers are as per the sequence in Code-1)

**Paper 1**

Question No.	Not Attempted	Wrong Response	Correct Response	Partial Correct (1 Mark)	Partial Correct (2 Marks)	Partial Correct (3 Marks)	Unattempted Percentage	Wrong Response Percentage	Correct Response Percentage	Partial Correct Percentage
Q. 19	37478	55239	54961				25.38	37.41	37.22	
Q. 20	55972	57268	34438				37.90	38.78	23.32	
Q. 21	12970	90531	44177				8.78	61.30	29.91	
Q. 22	28508	71255	47915				19.30	48.25	32.45	
Q. 23	51601	71695	24382				34.94	48.55	16.51	
Q. 24	27671	22159	17242	34521	46085	0	18.74	15.00	11.68	54.58
Q. 25	59150	43089	25487	19952	0	0	40.05	29.18	17.26	13.51
Q. 26	64696	31126	13402	21351	17103	0	43.81	21.08	9.08	26.04
Q. 27	7862	23383	100394	16039	0	0	5.32	15.83	67.98	10.86
Q. 28	69712	51425	15925	10616	0	0	47.21	34.82	10.78	7.19
Q. 29	27497	16592	8683	37749	57157	0	18.62	11.24	5.88	64.27
Q. 30	53411	67506	26761	0	0	0	36.17	45.71	18.12	0.00
Q. 31	74826	42672	12389	17791	0	0	50.67	28.90	8.39	12.05
Q. 32	7551	97803	42324				5.11	66.23	28.66	
Q. 33	7195	104364	36119				4.87	70.67	24.46	
Q. 34	7934	116582	23162				5.37	78.94	15.68	
Q. 35	3584	132725	11369				2.43	89.87	7.70	
Q. 36	3955	134006	9717				2.68	90.74	6.58	

**Paper 2**

Q. 19	23065	59166	65447				15.62	40.06	44.32	
Q. 20	51588	65620	30470				34.93	44.43	20.63	
Q. 21	31725	41162	74791				21.48	27.87	50.64	
Q. 22	21902	84374	41402				14.83	57.13	28.04	
Q. 23	12563	83045	52070				8.51	56.23	35.26	
Q. 24	76745	53678	17255				51.97	36.35	11.68	
Q. 25	26152	48822	47222	25482	0	0	17.71	33.06	31.98	17.26
Q. 26	41067	63608	20058	22945	0	0	27.81	43.07	13.58	15.54
Q. 27	12989	47878	29100	18737	38974	0	8.80	32.42	19.71	39.08
Q. 28	19630	41869	29132	22005	35042	0	13.29	28.35	19.73	38.63
Q. 29	72429	44126	10907	20216	0	0	49.05	29.88	7.39	13.69
Q. 30	54998	55030	9137	28513	0	0	37.24	37.26	6.19	19.31
Q. 31	45342	60732	7383	34221	0	0	30.70	41.12	5.00	23.17
Q. 32	47093	40158	3238	32591	24598	0	31.89	27.19	2.19	38.73
Q. 33	2889	102137	42652				1.96	69.16	28.88	
Q. 34	2861	107229	37588				1.94	72.61	25.45	
Q. 35	3258	97694	46726				2.21	66.15	31.64	
Q. 36	2759	103387	41532				1.87	70.01	28.12	

**JEE (Advanced) 2016**  
**Question-wise Candidates' Performance in Mathematics**

(Question numbers are as per the sequence in Code-1)

**Paper 1**

Question No.	Not Attempted	Wrong Response	Correct Response	Partial Correct (1 Mark)	Partial Correct (2 Marks)	Partial Correct (3 Marks)	Unattempted Percentage	Wrong Response Percentage	Correct Response Percentage	Partial Correct Percentage
Q.37	48570	71989	27119				32.89	48.75	18.36	
Q.38	28964	70861	47853				19.61	47.98	32.40	
Q.39	79703	39124	28851				53.97	26.49	19.54	
Q.40	83356	31645	32677				56.44	21.43	22.13	
Q.41	43904	78313	25461				29.73	53.03	17.24	
Q.42	91542	16500	5336	14842	19458	0	61.99	11.17	3.61	23.23
Q.43	83483	53894	10301	0	0	0	56.53	36.49	6.98	0.00
Q.44	97766	36293	2897	10722	0	0	66.20	24.58	1.96	7.26
Q.45	104720	17130	4032	14632	7164	0	70.91	11.60	2.73	14.76
Q.46	101482	31236	4392	10568	0	0	68.72	21.15	2.97	7.16
Q.47	99682	30762	5221	12013	0	0	67.50	20.83	3.54	8.13
Q.48	100033	12346	6451	17925	10923	0	67.74	8.36	4.37	19.53
Q.49	97615	24414	16483	9166	0	0	66.10	16.53	11.16	6.21
Q.50	4426	98257	44995	147678			3.00	66.53	30.47	
Q.51	9756	120956	16966	147678			6.61	81.91	11.49	
Q.52	7152	118566	21960	147678			4.84	80.29	14.87	
Q.53	6428	111603	29647	147678			4.35	75.57	20.08	
Q.54	8075	119399	20204	147678			5.47	80.85	13.68	

**Paper 2**

Q.37	62543	48541	36594				42.35	32.87	24.78	
Q.38	63769	47370	36539				43.18	32.08	24.74	
Q.39	81828	35950	29900				55.41	24.34	20.25	
Q.40	42375	44443	60860				28.69	30.09	41.21	
Q.41	88946	43140	15592				60.23	29.21	10.56	
Q.42	39615	36236	71827				26.83	24.54	48.64	
Q.43	117120	19763	1543	9252	0	0	79.31	13.38	1.04	6.26
Q.44	67489	45234	17488	17467	0	0	45.70	30.63	11.84	11.83
Q.45	73059	32250	18576	23793	0	0	49.47	21.84	12.58	16.11
Q.46	67985	50364	9514	19815	0	0	46.04	34.10	6.44	13.42
Q.47	83129	16749	8556	11771	27473	0	56.29	11.34	5.79	26.57
Q.48	74647	21787	15528	17320	18396	0	50.55	14.75	10.51	24.19
Q.49	33120	41688	35447	15226	22197	0	22.43	28.23	24.00	25.34
Q.50	89521	34578	5843	17736	0	0	60.62	23.41	3.96	12.01
Q.51	3518	88012	56148				2.38	59.60	38.02	
Q.52	3560	79725	64393				2.41	53.99	43.60	
Q.53	4159	91650	51869				2.82	62.06	35.12	
Q.54	3095	79396	65187				2.10	53.76	44.14	

## Question Paper Pattern

Paper	Type	No. of Questions in Each Subject	Marks
Paper-1	Single Correct Answer	5	3, 0, -1
	Multiple Correct Answers	8	4, 3, 2, 1, 0, -2
	Single Digit Integer	5	3, 0
Paper-2	Single Correct Answer	6	3, 0, -1
	Multiple Correct Answers	8	4, 3, 2, 1, 0, -2
	Comprehension	4	3, 0

44% questions have partial marks

## Zone wise Statistics

### Zone wise and Category wise Distribution of Registered (R), Appeared (A) and Qualified (Q) Candidates

Zone	GEN			GEN-PwD			OBC-NCL			OBC-NCL-PwD			SC		
	R	A	Q	R	A	Q	R	A	Q	R	A	Q	R	A	Q
IITB	13212	12883	4641	162	153	48	11187	10546	1673	87	83	21	5884	5419	1652
IITD	10770	10473	3464	112	98	31	6816	6551	1145	39	36	15	3428	3165	997
IITG	2950	2884	781	77	74	16	6804	6576	907	103	96	25	1888	1764	536
IITK	7157	7053	2346	130	126	33	6561	6334	893	97	90	27	3684	3475	1056
IITKgp	7235	6990	2018	136	124	27	6844	6534	1022	84	75	21	3595	3284	1051
IITM	12269	11707	3365	143	140	41	14679	13463	1627	93	91	15	4436	4079	1133
IITR	7149	6975	2129	82	79	23	3811	3677	476	36	35	5	3117	2907	899
Totals	60742	58965	18744	842	794	219	56702	53681	7743	539	506	129	26032	24093	7324

Zone	SC-PwD			ST			ST-PwD			Total		
	R	A	Q	R	A	Q	R	A	Q	R*	A	Q
IITB	24	23	3	3058	2724	772	4	3		33618	31834	8810
IITD	10	9	1	1282	1133	288	3	3		22460	21468	5941
IITG	12	10		1436	1148	203	2	2		13272	12554	2468
IITK	16	13	3	519	474	85				18164	17565	4443
IITKgp	23	21	2	2157	1829	416	8	8	3	20082	18865	4560
IITM	16	12	3	1893	1782	515	7	6	3	33536	31280	6702
IITR	16	14	3	454	425	107				14665	14112	3642
Totals	117	102	15	10799	9515	2386	24	22	6	155797	147678	36566

\*151 Candidates did not opt for any zone and their registration was incomplete.  
However, total number of registered candidates was considered as 155948.

### Zone wise Male and Female Candidates

Zone	Registered		Appeared		Qualified	
	Male	Female	Male	Female	Male	Female
IITB	28003	5615	26596	5238	7798	1012
IITD	18954	3506	18181	3287	5345	596
IITG	11291	1981	10739	1815	2247	221
IITK	15318	2846	14837	2728	3967	476
IITKgp	16052	4030	15146	3719	3973	587
IITM	24137	9399	22790	8490	5485	1217
IITR	12059	2606	11611	2501	3181	461
Totals	125814	29983	119900	27778	31996	4570

### Zone wise Nationality of Candidates

Zone	Indian	OCI	PIO	Foreign	Total
IITB	33579	20	14	5	33618
IITD	22442	6	6	6	22460
IITG	13267	2	1	2	13272
IITK	18162	1	1	0	18164
IITKgp	20075	3	2	2	20082
IITM	33445	52	36	3	33536
IITR	14658	5	1	1	14665
Totals	155628	89	61	19	155797

### Zone wise Architecture Aptitude Test (AAT) Candidates

Zone	Registered	Appeared	Absent	Pass	Fail
IITB	282	76	206	60	16
IITD	704	327	377	287	40
IITG	55	15	40	11	4
IITK	304	136	168	101	35
IITKgp	262	87	175	72	15
IITM	259	94	165	83	11
IITR	135	54	81	48	6
Totals	2001	789	1212	662	127

## Seat Allotment Statistics

### Seat Matrix for the Academic Year 2016-2017

Institute Code	Institute Name	OPEN	OPEN-PwD	SC	SC-PwD	ST	ST-PwD	OBC-NCL	OBC-NCL-PwD	Total
101	Indian Institute of Technology Bhubaneswar	127	4	38	1	19	1	68	2	260
102	Indian Institute of Technology Bombay	442	14	133	4	65	1	236	8	903
103	Indian Institute of Technology Mandi	74	1	22	1	10	1	40	1	150
104	Indian Institute of Technology Delhi	419	13	123	4	63	2	220	7	851
105	Indian Institute of Technology Indore	127	4	38	1	19	1	68	2	260
106	Indian Institute of Technology Kharagpur	657	20	195	6	98	3	351	11	1341
107	Indian Institute of Technology Hyderabad	118	3	35	1	18	1	62	2	240
108	Indian Institute of Technology Jodhpur	59	1	18	0	8	1	32	1	120
109	Indian Institute of Technology Kanpur	411	8	119	4	57	6	214	8	827
110	Indian Institute of Technology Madras	410	13	122	4	61	2	220	6	838
111	Indian Institute of Technology Gandhinagar	87	3	26	1	13	1	48	1	180
112	Indian Institute of Technology Patna	98	3	30	0	14	1	52	2	200
113	Indian Institute of Technology Roorkee	474	15	141	5	72	2	254	7	970
114	Indian School of Mines Dhanbad	448	13	132	4	67	2	238	8	912
115	Indian Institute of Technology Ropar	76	2	22	1	11	1	41	1	155
116	Indian Institute of Technology (BHU) Varanasi	533	15	158	4	85	3	284	8	1090
117	Indian Institute of Technology Guwahati	302	9	89	3	45	1	161	5	615
118	Indian Institute of Technology Bhilai	59	1	17	1	8	1	32	1	120
119	Indian Institute of Technology Goa	45	1	13	1	6	0	23	1	90
120	Indian Institute of Technology Palakkad	58	2	18	0	9	0	32	1	120
121	Indian Institute of Technology Tirupati	58	2	18	0	9	0	32	1	120
122	Indian Institute of Technology Jammu	44	1	13	1	7	0	23	1	90
123	Indian Institute of Technology Dharwad	59	2	17	1	9	0	31	1	120
	<b>Total Seats</b>	<b>5187</b>	<b>150</b>	<b>1537</b>	<b>48</b>	<b>773</b>	<b>31</b>	<b>2763</b>	<b>86</b>	<b>10572</b>

## Candidates Schooling

Schooling	Registered		Qualified		Admitted	
	Count	%	Qualified	%	Count	%
RURAL	50817	32.59	9115	24.93	2712	25.64
URBAN	105131	67.41	27451	75.07	7864	74.36