

ENGINEERING ENTRANCE EXAMINATIONS KERALA – 2012

Dates of Examinations : April 23-26, 2012



RESULTS - HIGHLIGHTS
JUNE 25, 2012

OFFICE OF THE COMMISSIONER FOR ENTRANCE EXAMINATIONS

HOUSING BOARD BUILDINGS, SANTHI NAGAR, THIRUVANANTHAPURAM – 695 001 Telephone: 0471-2332120, 2338487. Fax: 0471-2337228

 $\label{lem:www.cee.kerala.gov.in} Web\ site: www.cee.kerala.gov.in$

ENGINEERINGENTRANCE EXAMINATIONS



Government of Kerala Office of the Commissioner for Entrance Examinations Housing Board Buildings, Santhi Nagar, Thiruvananthapuram - 695 001

NOTIFICATION

Engineering Rank list, Kerala 2012 - Published

The rank list for admission to Engineering Courses 2012, are published herewith. The results will be published through media. It will be available at the Office of the Commissioner for Entrance Examinations and on the website

www.cee.kerala.gov.in

The Entrance Examination for Engineering courses 2012 was conducted on 23rd (Paper-I Physics & Chemistry) and 24th (Paper - II Mathematics) April 2012. The marks secured by the candidates in the Entrance Examination were published on 24.05.2012.

Those candidates who have qualified in the Engineering Entrance Examination were directed to submit the marks obtained for Mathematics, Physics and Chemistry/Computer Science/Biotechnology/Biology in the Second year Plus Two or equivalent qualifying examination through the website www.cee.kerala.gov.in from 26.05.2012 to 12.06.2012 and to submit the duly signed copy of Mark Submission Data and attested copies of Plus Two mark sheets on or before 12.06.2012 to the Commissioner for Entrance Examinations. The marks submitted by the candidates were subsequently published on the web site for verification on 17.06.2012 and the candidates were directed to inform changes, if any, in the published data on or before 20.06.2012. Out of 77510 candidates qualified in the Engineering Entrance Examination 60776 candidates have submitted their marks in the qualifying examination to the Commissioner for Entrance Examinations till 20.06.2012. The data submitted by candidates till 20.06.2012 has been considered for the preparation of rank list.

For the preparation of Engineering Rank list, equal weightage was given to the marks obtained in the Entrance Examination for Engineering (Paper I & Paper II put together) and the grade/marks obtained for Mathematics, Physics and Chemistry/Computer Science/Biotechnology/Biology put together in the Second year of the qualifying examination (Plus Two or equivalent), after effecting the standardization procedure as described in Clause 9.7.4 (b)(iii) of the Prospectus.

The statistical parameters used for standardization of marks of various boards are given in Appendix-I. Some of the Boards/Authorities did not provide the statistical parameters/data essential for the process of standardization of marks of those candidates who studied for the qualifying examination under their stream. The marks of candidates from such Boards have been standardized based on the criteria decided upon by the Committee constituted vide G.O.(MS) No.346/2011/H.Edn. dated 27.12.2011 and the decision is final and binding on the applicant.

Marks obtained by the candidate in the Engineering Entrance Examination (Paper I & Paper II put together) is computed out of 300, and added to the total

standardized marks of Mathematics, Physics and Chemistry/Computer Science/Biotechnology/Biology as the case may be in the Qualifying Examination computed out of 300, both corrected to 4 places of decimals. The rank list for Engineering Courses is thus prepared based on the total marks obtained out of 600, computed as above.

The results of a few candidates are withheld for the reason of not submitting the duly signed printout of Mark Submission Data/attested copies of mark sheets of qualifying examination. The marks obtained by the candidates in the data furnished by the respective boards are taken for the preparation of Engineering rank list. Their results will be released only on submission of the duly signed declaration along with attested copies of the original mark sheets of the qualifying examination. In case, the marks submitted by the candidate which have been used for the preparation of the rank list differ from the actual marks secured by that candidate, he/she will be disqualified. No further communication will be entertained in this regard. Such candidates will also be liable for penal action in accordance with law.

The inclusion of roll number of any candidate in this list does not entitle him/her for admission unless he/she satisfies all the conditions of eligibility as prescribed in the Prospectus.

The category/community-wise list based on the rank list will also be published in due course.

Candidates will be admitted to the courses only if the academic eligibility conditions as prescribed in the Prospectus under clause 6.2 are fulfilled at the time of admission. This will be verified by the college authorities concerned, at the time of admission.

Thiruvananthapuram

25.06.2012

B.S. Mavoii IAS

Commissioner for Entrance Examinations

RESULTS OF THE ENGINEERING ENTRANCE EXAMINATION KERALA – 2012

HIGHLIGHTS

- The Entrance Examination was conducted at 307 venues in all the 14 Revenue Districts centers of the State, in New Delhi and in Dubai.
- 2. Total number candidates appeared in the Engineering Entrance Examination: 106071
 - a. Total number of Male candidates appeared: 56397
 - b. Total number of Female candidates appeared: 49674
- 3. Total number of candidates qualified in the Engineering Entrance Examinations: 77510
 - a. Total number of Male candidates: 40128
 - b. Total number of Female candidates: 37382
- 4. Total number of candidates included in the Engineering Rank List: 60776
 - a. Total number of Male candidates: 32269
 - b. Total number of Female candidates: 28507
- 5. Number of candidates included in the Engineering Rank list based on their course of study at the Plus Two level.

Sl. No.	Qualifying Examination	Total number of candidates in the Rank List	Number of candidates figures in the first 1000 ranks		
1	HSE - Kerala	41707	390		
2	VHSE – Kerala	464	1		
3	HSE/VHSE (Outside Kerala)	298	4		
4	AISSCE (CBSE)	16735	545		
5	ISCE (CISCE)	1249	45		
6	Others	323	15		

5. Number of candidates figures based on the candidates district of permanent residence are as follows.

Sl. No.	District	Total number of candidates in the rank list	Number of candidates figured in the first 1000 rank		
1	Thiruvananthapuram	6772	102		
2	Kollam	5380	57		
3	Pathanamthitta	2553	16		
4	Alappuzha	3908	42		
5	Kottayam	4245	92		
6	Idukki	1344	17		
7	Ernakulam	8433	162		
8	Thrissur	6473	98		
9	Palakkad	3645	45		
10	Malappuram	5471	123		
11	Kozhikkode	5639	140		
12	Wayanad	824	15		
13	Kannur	4307	56		
14	Kasaragod	1376	16		
15	Others	406	19		

- 6. Statistical details in respect of the first 100 candidates figured in the Engineering Rank List:
 - (a) Sex
 - (i) Male: 89
- (ii) Female: 11
- (b) Native district (in the order of highest three)
 - (i) Alappuzha: 59
- (ii) Thiruvananthapuram: 35
- (iii) Kottayam: 5
- (c) Number of appearance in the Entrance Examination :
 - (i) First appearance: 79 (ii) Second appearance: 21

ENGINEERING ENTRANCE EXAMINATION-2012 DETAILS OF THE STATE-WIDE TOP TEN RANK HOLDERS

Rank		Name and Address	Roll No.	Score out of 600
1		BINU GEORGE PULIAMTHOTTIYIL HOUSE CHEERANCHIRA P O CHANGANACHERRY KOTTAYAM DISTRICT	147193	584.5956
	BINU GEORGE DOB 21-10-1994	PHONE: 0481-2720000		
2	JISHNU M	JISHNU M JISHNU M MARATH HOUSE THALI PO VARAVOOR THRISSUR	178812	572.2411
	20-12-1994	PHONE: 04884-277090		
3		JERIN VINCENT KADAMBUKAD HOUSE CHATHANAD EZHIKARA P O NORTH PARAVUR	168779	571.5363
	JERIN VINCENT 13.10.1994	PHONE: 0484-2286756		
4	8	SHAHIN SHAH K M KOZHIMADAM HOUSE PERUMANNA P O KOZHIKODE	215021	571.4653
	SHAHIN SHAH.K.M 30-05-1995	PHONE: 0495-2432506		
5	SHILPA JOY 06-04-1994	SHILPA JOY D/O DR JOY VARGHESE PALATTY HOUSE PO KATTOOR THRISSUR DISTRICT KERALA PHONE: 0480-2874464	178256	571.1479

ENGINEERING ENTRANCE EXAMINATION-2012 DETAILS OF THE STATE-WIDE TOP TEN RANK HOLDERS

Rank		Name and Address	Roll No.	Score out of 600
6	ASKAR BABU U 16-12-1992	ASKAR BABU U ASKAR BABU U UROTHODY HOUSE CHERUKULAMBA VATTALOOR PO MALAPPURAM DT PHONE: 04933-242076	201789	570.8136
7		AMAL S S	123843	568.7185
·		PALLATHU VEEDU POLICODU VAYAKAL P O VALAKOM KOLLAM DISTRICT		
	AMAL S S 25-08-1993	PHONE: 0474-2470401		
8		JOSEPH SAMUEL	133027	567.2287
0		KAIPPALLIL HOUSE KULANADA PO PATHANAMTHITTA DISTRICT KERALA	199021	307.2207
	JOSEPH SAMUEL 04-05-1994	PHONE : 04734-260445		
9	Variety of	VIJAY SANKAR A UPASANA MANNAM P O NORTH PARAVUR	161882	565.4753
	VIJAY SANKAR A	ERNAKULAM		
	VIJAY SANKAR A 03 . 09 . 1993	PHONE : 0484-2446204		
10		JASEEM UMAR M KANAVU KINASSERY POST POKKUNNU KOZHIKODE	214765	564.9002
	JASEEM UMAR M 16-11-1993	PHONE : 0495-2330077		

ENGINEERING ENTRANCE EXAMINATION-2012

TOP TWO FROM SC AND ST CATEGORY

SC Category

1



APARNA MOHAN

ANAND SANATHANAPURAM P O KALARCODE ALAPPUZHA KERALA

PHONE: 0477-2268635

2



ASWIN S 30.10.1994

ASWIN S

SAVIDHAM NADAKKUTHAZHA VATAKARA

PHONE: 0496-2517151

Score: 508.5150

Roll No.: 135767

Rank: 310

Roll No.: 217044

Score: 479.0494

Rank: 818

ST Category

1



ARUN GOPAN P

PAZHOOR HOUSE MANARCAD P O IRATTUNADA **KOTTAYAM KERALA**

PHONE: 0481-2379596

Roll No.: 147070

Score: 461.5217

Rank: 1272

2



SREESHA SANKAR 24-08-1994

SREESHA SANKAR

KOCHUPLACKAL HOUSE KADAMBODU PADY PO **THRISSUR**

PHONE: 0480-2743144

Roll No.: 179557

Score: 448.9423

Rank: 1763

ENGINEERING ENTRANCE EXAMINATION-2012 TOP ONE AMONG THOSE WHO APPEARED IN EACH DISTRICT, NEW DELHI & DUBAI

Thiruvananthapuram



NANDAGOPAL R

SYAM NIVAS

120

PTPNAGAR

THIRUVANANTHAPURAM

KERALA

PHONE: 9447699183

Roll No.: 113679

Score out of 600: 558.9083

Rank: 15

Kollam



AMAL S S
PALLATHU VEEDU

POLICODU

VAYAKAL P O VALAKOM

KOLLAM DISTRICT

PHONE: 9446110473

Roll No.: 123843

Score out of 600: 568.7185

Rank: 7

Pathanamthitta



JOSEPH SAMUEL

KAIPPALLIL HOUSE KULANADA PO

PATHANAMTHITTA DISTRICT

KERALA

Roll No.: 133027

Score out of 600: 567.2287

Rank: 8

PHONE: 9447076176

Alappuzha



BIPIN BABU

VALIYAPUNNACKAL HOUSE WEST OF COIR BOARD KALAVOOR P O

ALAPPUZHA

Rank: 25

PHONE: 9142381889

Kottayam



BINU GEORGE

PULIAMTHOTTIYIL HOUSE CHEERANCHIRA P O CHANGANACHERRY KOTTAYAM DISTRICT

PHONE: 9446358425

Roll No.: 147193

Roll No.: 140259

Score out of 600: 584.5956

Score out of 600: 555.7660

Rank: 1

ENGINEERING ENTRANCE EXAMINATION-2012 TOP ONE AMONG THOSE WHO APPEARED IN EACH DISTRICT, NEW DELHI & DUBAI

Idukki



JOHNY JOSE 09 - 03 - 1994

JOHNY JOSE

MADEKUNNEL HOSTEL JUNCTION MUVATTUPUZHA P O

ERNAKULAM KERALA

PHONE: 9446208801

Roll No.: 153826

Score out of 600: 542.6218

Rank: 61

Ernakulam



JERIN VINCENT 13.10.1994

JERIN VINCENT

KADAMBUKAD HOUSE **CHATHANAD** EZHIKARA P O

NORTH PARAVUR

PHONE: 9947312421

Roll No.: 168779

Score out of 600: 571.5363

Rank: 3

Trissur



JISHNU M 20-12-1994

JISHNU M

JISHNU M MARATH HOUSE

THALI PO

VARAVOOR THRISSUR

PHONE: 9946295121

Roll No.: 178812

Score out of 600: 572.2411

Rank: 2

Palakkad



KEERTHANA P G

KEERTHANA P G C/O P K GOPALAKRISHNAN 6/80 SREE NAGAR COLONY MARUTHA ROAD KOOTUPATHA PALAKKAD KERALA

PHONE: 9446510865

Roll No.: 192427

Score out of 600: 561.2474

Rank: 13

Malappuram



ASKAR BABU U

ASKAR BABU U **UROTHODY HOUSE CHERUKULAMBA** VATTALOOR PO

MALAPPURAM DT

PHONE: 9349955093

Roll No.: 201789

Score out of 600: 570.8136

Rank: 6

Kozhikkode



SHAHIN SHAH K M

KOZHIMADAM HOUSE PERUMANNA P O

KOZHIKODE

Roll No.: 215021

Score out of 600: 571.4653

Rank: 4

PHONE: 9895335298

ENGINEERING ENTRANCE EXAMINATION-2012 TOP ONE AMONG THOSE WHO APPEARED IN EACH DISTRICT, NEW DELHI & DUBAI

Wayanad



AMAL VARGHESE

POOCKOTTE HOUSE

MAITHANIKUNNU

Roll No.: 221090

SULTHAN BATHERY PO Score out of 600: 545.7122

WAYANAD KERALA

PHONE: 9747716799

Rank: 52

Rank: 56

Rank: 58

Kannur



DIPIN K NAIR

DEEPANJALI Roll No.: 225301

KARIVELLUR P O Score out of 600: 544.4233

KANNUR KERALA

PHONE: 9446659141

Kasargod



PRANAV T V

PRANAV T V Roll No. : 231821 MALLAKKARA

P O PILICODE Score out of 600:543.0751

KERALA

PHONE: 9497046510

KASARAGOD DISTRICT

Delhi



AROON K

DELHI Score out of 600: 549.9631

Rank: 43

PHONE: 9717392750

Dubai



VISHNU SREEKUMAR

C/O K K VASU NAIR KARTHIKA ALACHANCODE CHITTUR COLLEGE P O

PALAKKAD DIST

KERALA PHONE :

Roll No.: 235243

Score out of 600: 506.6876

Rank: 333

APPENDIX-I

KEAM 2012 SUBJECT-WISE STATISTICAL CHARACTERISTICS FOR STANDARDISATION

Andhra Pradesh Board of Intermediate Education [AP]

Year	ar Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	61.4762	20.4997	150	63.3025	15.5716	90	67.6240	16.1684	90
2011	78.0882	16.9447	150	74.5621	13.7806	90	79.7504	12.1429	90

Bihar School Examination Board [BA]

Year	Year Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean SD Max Mark			Mean	SD	Max Mark
2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100

Bhutan Board of Examinations [BB]

Year	Year Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean SD Max Mark			Mean	SD	Max Mark
2011	62.9525	15.0819	100	53.6447	11.6751	100	56.2152	11.3959	100

Cambridge AS/ A Level [CA]

Year	Year Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100

CBSE [CB]

Year	Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100
2011	62.7051	20.7047	100	63.7192	15.0092	100	66.2680	15.7433	100
2010	59.7533	18.4876	100	63.4423	15.6465	100	68.1387	16.1242	100
2009	63.6551	19.6299	100	64.4400	15.4488	100	67.6668	15.8602	100
2008	63.6551	19.6299	100	64.4400	15.4488	100	67.6668	15.8602	100
2007	63.6551	19.6299	100	64.4400	15.4488	100	67.6668	15.8602	100
2005	63.6551	19.6299	100	64.4400	15.4488	100	67.6668	15.8602	100

Chhattisgarh Board of Secondary Education [CG]

Year	ar Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	54.4545	18.2443	100	54.5320	10.8668	100	51.5536	8.3085	100
2011	57.4953	18.5014	100	55.5922	10.8549	120	56.2326	11.1635	120

Cambridge University DPS International School (Singapore) [CU]

Year	Year Maths			Physics			Chemistry		
	Mean SD Max Mark			Mean	SD	Max Mark	Mean	SD	Max Mark
2011	62.7051 20.7047 600		63.7192	15.0092	600	66.2680	15.7433	600	

Eastern Cape Department of Education, Zambia [EC]

Year	Year Maths			Physics			Chemistry		
	Mean SD Max Mark			Mean	SD	Max Mark	Mean	SD	Max Mark
2011	62.7051 20.7047 400			63.7192	15.0092	200	66.2680	15.7433	200

Goa Board of Secondary and Higher Secondary Education [GB]

Year					Physics			Chemistry		
	Mean SD Max Mark			Mean SD Max Mark			Mean	SD	Max Mark	
2012	51.7826	16.8223	100	64.3486	14.5995	100	57.9047	12.5779	100	

Gujarat Secondary and Higher Secondary Education Board [GS]

Year	ear Maths			Physics			Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	61.4762 20.4997 100			63.3025	15.5716	150	67.6240	16.1684	150

Kerala Board of Higher Secondary Education [HS]

Year		Maths			Physics		Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	56.4435	16.6036	100	65.8527	14.1527	120	69.2396	16.3495	120
2011	57.6429	18.2273	100	72.3953	14.5406	120	69.6036	13.8246	120
2010	57.2644	14.8051	100	74.1871	10.9986	120	79.2022	11.9086	120
2009	61.2048	15.5507	100	67.6168	12.2354	100	68.8448	12.9312	100
2008	63.2536	16.3868	100	67.3022	12.3158	100	73.6661	12.1809	100
2007	61.2280	14.2728	100	68.0881	11.3224	100	68.3288	11.9849	100

2006	55.0825	17.3397	100	62.1717	12.7346	100	70.8751	14.4224	100
2005	55.4963	17.9489	100	61.0856	13.1722	100	72.7895	14.3674	100
2004	56.9155	17.9799	100	62.0860	13.7436	100	64.7844	13.6847	100
2002	50.0173	15.4392	150	58.8293	11.8481	150	63.6353	12.1973	150

CISCE [IS]

Year		Maths			Physics		Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2012	66.9747	17.7489	100	66.0500	16.6599	100	63.8962	15.1703	100	
2011	69.0567	17.2156	100	66.6313	16.0099	100	65.4119	15.5488	100	
2010	69.3113	17.2927	100	62.2029	16.0010	100	64.0780	14.3904	100	
2005	71.7961	17.7092	100	64.7680	15.5981	100	66.2046	14.6327	100	

Karnataka Board of Pre- University Education [KB]

Year	r Maths			Physics			Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2012	55.6767	20.7561	100	64.6169	19.0267	100	57.2612	19.2832	100	
2011	57.1683	21.0800	100	63.3317	18.3942	100	58.8991	19.1564	100	

Maharashtra State Board of Secondary and Higher Secondary Education [MH]

Year		Maths			Physics		Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2012	54.2700	17.2800	100	49.9100	15.1200	100	52.4500	14.5200	100	
2011	54.2700	17.2800	100	49.9100	15.1200	100	52.4500	14.5200	100	

Madhya Pradesh Board of Secondary Education [MP]

Year		Maths		Physics			Chemistry			
	Mean	Mean SD Max Mark			SD	Max Mark	Mean	SD	Max Mark	
2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100	
2011	58.7371	18.2130	100	64.8142	13.5284	100	60.2741	11.8023	100	

Maharashtra State Board of Secondary and Higher Secondary Education, Pune [MS]

Year		Maths			Physics		Chemistry					
	Mean	Mean SD Max Mark			Mean SD Max Mark			SD	Max Mark	Mean	SD	Max Mark
2012	54.2700	17.2800	100	49.9100	15.1200	100	52.4500	14.5200	100			
2011	54.2700	54.2700 17.2800 100			15.1200	100	52.4500	14.5200	100			

National Institute of Open Schooling [NI]

Year		Maths		Physics			Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2012	62.3453	17.4343	100	56.4324	11.3964	100	55.7920	10.3502	100	
2011	55.5668	15.8742	100	52.8259	10.3505	100	54.3005	10.5669	100	

National University of Singapore [NU]

Year	Maths				Physics		Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2011	62.7051	20.7047	100	63.7192	15.0092	100	66.2680	15.7433	100	

Department of Pre- University Education, Bangalore [PU]

Year	Maths				Physics		Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	55.6767	20.7561	100	64.6169	19.0267	100	57.2612	19.2832	100

Tamil Nadu Board of Higher Secondary Education [TN]

Year	Maths				Physics			Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark		
2012	62.4708	19.6986	200	60.6055	16.7255	200	62.1315	16.8679	200		
2011	62.3675	19.4789	200	63.2258	16.8200	200	62.7338	16.2772	200		

Uttar Pradesh Board of High School and Intermediate Education [UP]

Year	Maths				Physics		Chemistry		
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100

Kerala Vocational Higher Secondary Education [VH]

Year	Maths			Physics			Chemistry			
	Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark	
2012	56.4435	16.6036	100	65.8527	14.1527	120	69.2396	16.3495	120	
2011	57.6429	18.2273	100	72.3953	14.5406	120	69.6036	13.8246	120	
2010	50.0712	9.9299	100	62.6529	9.0223	120	63.1929	9.5120	120	
2009	50.7711	9.6240	100	56.4711	8.0686	100	57.3715	8.3341	100	
2008	47.8021	8.4424	100	58.0897	8.1766	100	58.0963	7.6411	100	

2007	47.8021	8.4424	100	58.0897	8.1766	100	58.0963	7.6411	100

West Bengal Board of Secondary Education [WB]

	Year	Maths				Physics		Chemistry		
ſ		Mean	SD	Max Mark	Mean	SD	Max Mark	Mean	SD	Max Mark
Γ	2012	61.4762	20.4997	100	63.3025	15.5716	100	67.6240	16.1684	100