



# MADE EASY

India's Best Institute for IES, GATE & PSUs

## Answer Key of GATE 2016

Dear students,

MADE EASY team has tried to provide the best possible/closest answers, however if you find any discrepancy then write your doubts to MADE EASY at: [info@madeeasy.in](mailto:info@madeeasy.in). MADE EASY owes no responsibility for any kind of error due to data insufficiency/misprint/human errors etc.

**B. Singh (Ex. IES), Chairman & Managing Director, MADE EASY Group**

### Rewards & Honours

**MADE EASY will honour its GATE 2016: Top-100 Rankers**

**AIR 1**  
Gold Medal + Car

**AIR 2**  
Gold Medal + Bike

**AIR 3**  
Gold Medal + Laptop

**AIR 4**  
Silver Medal + Tab

**AIR 11-100**  
Bronze Medal + Prize

GATE-2016 aspirants who have taken guidance from MADE EASY (Classroom, Postal, Test Series in current session or previous sessions) are requested to inform us about your result and avail free Interview & Counseling Guidance for M.Tech & PSUs.

### GATE-2016 : ANSWER KEY

#### Mechanical Engg. Set-1 (Session 1)

Non-Technical					
1.	(a)	6.	57.74	23.	(a)
2.	(b)	7.	(c)	24.	0.5
3.	(a)	8.	(a)	25.	(a)
4.	(a)	9.	(d)	26.	-5
5.	(c)	10.	200	27.	-1
6.	(c)	11.	20	28.	(a)
7.	(b)	12.	(b)	29.	-6
8.	(d)	13.	(c)	30.	5
9.	(c)	14.	(d)	31.	(b)
10.	(c)	15.	(a)	32.	4
		16.	(b)	33.	21439.06
		17.	14.30	34.	0
		18.	0.25	35.	1
		19.	(c)	36.	(c)
		20.	(b)	37.	(a)
		21.	(d)	38.	(c)
		22.	(a)	39.	-2.199
				40.	22.25
				41.	1/3
				42.	42.23
				43.	24530
				44.	6.124
				45.	2443.25
				46.	15
				47.	26.01
				48.	0.85
				49.	50
				50.	(b)
				51.	(a)
				52.	1.92
				53.	(a)
				54.	2
				55.	(b)

MADE EASY will conduct counseling session for M.Tech Admission after the GATE result.

**Admissions Open for Session 2017 at all centres of MADE EASY**

**MADE EASY Centres**

DELHI | NOIDA | LUCKNOW | JAIPUR | BHOPAL | INDORE | PUNE | HYDERABAD | BHUBANESWAR | KOLKATA | Patna  
011-45124612 | 0120-6524612 | 09919111168 | 0141-4024612 | 0755-4004612 | 0731-4029612 | 020-26058612 | 040-66774612 | 0674-6999888 | 033-6888880 | 09955991166



# MADE EASY

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## National Scholarship Test for GATE & ESE 2017 aspirants Scholarship upto 100% in classroom courses

Thousands of talented engineering graduates dream about prestigious engineering service examination, public sectors, IITs etc. But due to unfavorable economic conditions, these students are unable to take coaching guidance. Therefore MADE EASY has taken a initiative to acknowledge the talented in the form of scholarships. MADE EASY will provide scholarship worth more than 1.25 crores for those students who wish to enroll classroom courses for the session 2016-17.

Category	Scholarship % in Tuition fee
A	100%
B	75%
C	50%
D	25%
E	10%

Scholarship will vary from 10% to 100% of tuition fee, based on merit list.

### Scholarship Worth more than ₹ 1.25 Crores

### Scholarship Test will be conducted in 42 Cities

Delhi, Noida, Hyderabad, Lucknow, Bhopal, Jaipur, Indore, Pune, Bhubaneswar, Kolkata, Patna, Bhubli, Bangalore, Chennai, Nagpur, Chandigarh, Kanpur, Ranchi, Vijayawada, Dehradun, Kochi, Vishakhapatnam

### Test Dates

28<sup>th</sup> Feb, 2016  
06<sup>th</sup> Mar, 2016

Candidate can appear in any **ONE** test only

### Test Pattern (Objective Type)

Basic Engineering	:	50 Q
Engineering Mathematics	:	20 Q
Reasoning & Aptitude	:	20 Q
General English	:	10 Q

100 marks | 100 questions | 2 hours  
Per question: 1 mark, Negative marking : 0.33 marks

### Test Syllabus : Basic Engineering

#### Civil

Strength of materials, Design of Concrete structures , Soil mechanics and Foundation Engg, Environmental Engg, Fluid Mechanics & Highway Engg.

#### Mechanical

Basic thermo dynamics , Heat & Mass transfer , Fluid Mechanics, Industrial Engg, Production Engg and Theory of Machines.

#### Electrical

Network theory , Control System , Electrical machines, Power systems, electrical Measurements, Analog electronics.

#### Electronics

Network theory, Control System, electronic devices & Circuits, Analog electronics, Digital electronics and Communication systems.

#### Computer Science

TOC, Algorithms and Programming Methodology, Operating System, DBMS, Computer Networks, Compiler design

### PROCEDURE for Registration



- Log on to [www.madeeasy.in](http://www.madeeasy.in)
- Fill National Scholarship Test online registration form.
- Computer generated Admit Card will be mailed to your respective e-mail id.
- Venue & timing will be mentioned on Admit Card.
- Candidate should produce Admit Card along with photo id proof to enter the examination hall.

### Important Dates

Last date to register online	:	20-Feb-2016
National Scholarship Test-1	:	28-Feb-2016
National Scholarship Test-2	:	06-Mar-2016
Results	:	15-Mar-2016

For more details, visit : [www.madeeasy.in](http://www.madeeasy.in) • Call us at : 011-45124612



# MADE EASY

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# Crack in 1<sup>st</sup> Attempt

## ESE, GATE & PSUs

• Best Faculty • Best Study Material • Best Results

### Features of Classroom Courses

- Experienced Faculty
- GATE/ESE Test Series
- Updated Books and Reading References
- Regular classroom tests followed by discussions
- Doubt clearing sessions
- Interview Guidance Program
- Coverage of syllabus before GATE/ESE exams.
- Orientation sessions for GATE/ESE

## ADMISSIONS OPEN *for* Session 2016-17 at all centre of MADE EASY

**Delhi** 44-A/1, Kalu Sarai, Near Hauz Khas Metro Station, New Delhi-16; **E-mail** : infodelhi@madeeasy.in **Ph.:** 011-45124612, 09958995830

**Noida** D-28 Sector-63 Noida, Uttar Pradesh; **E-mail**: infonoida@madeeasy.in **Ph.:** 0120-6524612, 08860378009

**Lucknow** B1/67, Sector P, Aliganj, Lucknow; **E-mail** : infolucknow@madeeasy.in **Ph.:** 09919111168, 08400029422

**Jaipur** AB-559, Kings Road, Nirman Nagar, Jaipur, Rajasthan; **E-mail** : infojaipur@madeeasy.in **Ph.:** 0141-4024612, 09166811228

**Bhopal** Plot No. 46 , Zone - 2 M.P. Nagar, Bhopal (Madhya Pradesh)- 462021; **E-mail** : infobhopal@madeeasy.in **Ph.:** 0755-4004612, 08120035652

**Indore** Gemini Mall, PU3, Opp. Orbit Mall, A.B. Road, Vijay Nagar, Indore; **E-mail** : infoindore@madeeasy.in **Ph.:** 0731-4029612, 07566669612

**Pune** II Floor, Business Bay, Plot No. 84, Near R.T.O. Shivaji Nagar, Pune; **E-mail** : infopune@madeeasy.in **Ph.:** 020-26058612, 09168884343

**Hyderabad** 5-1-744, Bank Street, Koti, Hyderabad-95; **E-mail** : infohyderabad@madeeasy.in **Ph.:** 040-24652324, 09160002324

**Bhubaneswar** Plot No-1441, CRPF Square, Opposite to IOCL Petrol Pump; **E-mail** : infobhubaneswar@madeeasy.in **Ph.:** 0674-6999888, 9040999888

**Kolkata** 755, Anandapur Next to Fortis Hospital Off-EM Bypass Kolkata; **E-mail** : infokolkata@madeeasy.in **Ph.:** 033-68888880, 08282888880

**Patna** Nutan Complex, Near Krrish Hyundai, Main Road, Kankarbagh, Patna; **E-mail** : infopatna@madeeasy.in **Ph.:** 9955991166

**Corporate Office : 44-A/1, Kalu Sarai, Sarvapriya Vihar, New Delhi - 110016**

 **011-45124612**

 **www.madeeasy.in**



# MADE EASY

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## Online Test Series *for* ESE-2016



**34**  
Tests

### Objective & Conventional Tests

- 24 Subjectwise Tests
- 10 Full Syllabus Tests
- 19 Objective Tests
- 15 Conventional Tests

### STREAMS OFFERED



To enroll online, visit

[www.madeeasy.in](http://www.madeeasy.in)

Tests starting *from*

**20<sup>th</sup> Feb, 2016**

Technical Queries :

011-45124612 , 09818098817

## Classroom Test Series *for* ESE-2016

### Including CBT (Classroom Tests + Centre Based Tests)

**24**  
Tests

### Objective & Conventional Tests

- 6 Subjectwise Objective
- 2 Full Syllabus Objective
- 1 Full Syllabus General Ability
- 6 Subjectwise Conventional
- 2 Full Syllabus Conventional
- 2 Subjectwise General Ability

### + 5 Centre Based Tests

Exactly same pattern as UPSC Engineering Services Exam



To enroll online, visit

[www.madeeasy.in](http://www.madeeasy.in)

Tests starting *from*

**5<sup>th</sup> Mar, 2016**

Technical Queries :

011-45124612 , 09818098817

## Admissions Open

For detailed schedule & fee structure, visit: [www.madeeasy.in](http://www.madeeasy.in)

Corporate Office : 44-A/1, Kalu Sarai, New Delhi-110016; Ph: 011-45124612, 09958995830

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