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GATE 2020 Aerospace Engineering Paper Answer Key

Aptitude

Question no	Answer
1	C
2	D
3	C
4	A
5	A
6	A
7	A
8	B
9	B
10	C

Core

1	A	31	1715.8
2	1	32	C
3	D	33	C
4	A	34	2.73
5	C	35	58.38
6	12.42	36	25.45
7	A	37	A
8	D	38	0.8062
9	29.9	39	A
10	C	40	27.1
11	A	41	3.5693
12	D	42	0.01
13	3.55	43	0.62
14	0.01	44	0.01
15	C	45	1.33
16	A	46	2
17	A	47	A
18	A	48	55.317
19	D	49	88.08
20	B	50	3.75
21	A	51	A
22	C	52	D
23	A	53	87.89
24	-5.6	54	91.65
25	A	55	1
26	D		
27	1.44		
28	D		
29	150		
30	0.017		

Note:

- Option-1 A
- Option-2 B
- Option-3 C
- Option-4 D

Key is prepared with the best of our knowledge.

Soon we will share detailed sol.

To match key and questions use

Question paper shared by IGC.



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GATE 2019 TOPPERS

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WISH YOU ALL THE VERY BEST



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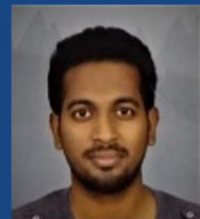
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GATE SCORE-596 (ME)

GATE 2019 - Result- AIR- 2, 4, 42, 53, 58, 69, 98, 98, 114, 123, 142, 168, 168, 190, 205, 219, 236, 260, 286, 313, 333, 333, 342, 369, 375, 421, 489, 506, 517 and more...

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Wishing them great success Ahead



GATE 2018 Result-AIR-27, 87, 87, 108, 265, 303, 314, 425, 425 436, 452 and more

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- Mr Dinesh Kumar (IIT-Madras)-
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- Mr Akshay (IISc Bangalore) and Mr Minhazul Islam (IIT-Kgp)- Jet and Rocket Propulsion
- Mr S Kumar (IIT-Mumbai)- Aerodynamics and GAS Dynamics
- Mr Nithin (IISc Bangalore) and Mr Navaneeth (IIST Trivendrum)- Flight Mechanics
- Mr Karthik (IISc-Bangalore) & Mr Prashant (IIT-Kgp)- Mathematics
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Teaching Hours	Saturday (4pm-7.30pm)- Feb batch, (1pm-7.30pm)- May & July batch Sunday (9.30am-5.30pm) Public Holidays (9.30am-5.30pm)- All batches
Course Duration	400 hours (6-8 months)
Syllabus Covered	All Technical Subjects, Engineering Mathematics & Aptitude
Course Features	<ul style="list-style-type: none"> Timely coverage of technical & non-technical syllabus Study Materials (all subjects)-E-form Topic wise assignments-E-form Weekly online exam exactly on GATE pattern Doubts and problems solving classes Fee-30K - 1 year Course, 45k- 2 year Course
Books & Reading References	<ul style="list-style-type: none"> Engineering Mathematics and Aptitude All technical subjects

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- Complete Guidance for GATE Preparation
- Online doubt clearing sessions

Link Sample Study Material-

<http://iitiansgateclasses.com/GATE-Aerospace-Study-Material.aspx>

Sample Topic wise assignments

<https://www.iitiansgateclasses.com/GATE-Study-Material.aspx>

Link Sample GATE online Test Series

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- We have divided our online test series in 4 part
- Topic wise exam (55)
- Subject wise exam (16)
- Module wise exam (4)
- Complete syllabus exam (10)
- Online tests are exclusively prepared keeping in mind the conceptual nature of GATE paper.
- These tests will provide the actual insight of GATE paper and will be of great help in understanding and planning of GATE paper.
- Our GATE Online tests also simulate exactly environment of real GATE exam like virtual calculator, both MCQ and short answer problems, problem presentation, clock and other similarities
- After each test we provide detailed information in result like correct answer for each problem, time consumed on each problem and consolidated ALL India Rank among our students and visitors.
- We also clarify doubts for exam problems by online media.

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Subject	Topic wise Exam-Name
Engineering Mechanics	Engineering Mechanics-Static Engineering Mechanics Dynamics
Basic Fluid Mechanics	FLUID PROPERTIES AND PRESSURE measurements FLUID Statics FLUID KINEMATICS FLUID DYNAMICS AND FLOW MEASUREMENT, VORTEX FLOW LAMINAR AND TURBULENT FLOW, BOUNDARY LAYER THEORY
Solid Mechanics	SOM-Stress-Strain Basic Elasticity SOM-Bar SOM-Shaft SOM-Beam SOM-Column SOM-TOF (Theory of Failure)
Thermodynamics	Thermodynamics-Basics Thermodynamics First Law Thermodynamics Second Law, Entropy and Enthalpy
Mathematics	Mathematics- Linear Algebra Engineering Mathematics Calculus Engineering Mathematics-Numerical Methods Mathematics-Integration Mathematics-Vector Calculus Mathematics-Differential Equations Mathematics-Laplace and Fourier Series
Numerical Aptitude	Numerical-Aptitude-1 Numerical Aptitude-2
Flight Mechanics	Atmosphere, Climb and Glide performance Range and Endurance Take-off and Landing Performance Accelerated Flight
Aircraft Structures	Unsymmetrical Bending Shear Flow Shear Center Thinwalled torsion
Gas-dynamics	GAS-Dynamics-Basics CD Nozzle Shock Waves Rayleigh line & fanno line
Propulsion	Propulsion Basics Propulsion Basics#2 Jet Propulsion-Cycles Jet Compressor Jet Turbine Ram Jet, Scram Jet, Inlet and Diffuser Rocket Propulsion basics Rocket Performance
Aerodynamics	Potential Fluid Flow Thin Airfoil Theory Lifting Line Theory
Aircraft Stability	Stability Basics Static Stability Dynamics Stability
Mechanical Vibration	Free vibration of one degree Damped free vibration of one degree Forced Vibration Multi Degree and Continuous system

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Measure Exams	
Subject Wise	Aptitude-1
	Aptitude-2
	Aptitude-3
	Mathematics
	Aerodynamics
	Gas-Dynamics
	Aeropropulsion
	SOM & Basic Elasticity
	Thinwalled Structures & Mechanical Vibration
	Aircraft Performance
	Aircraft Stability
	Space Dynamics
Module Wise	Structures-Module
	Aero-Propulsion Module
	Aptitude-Mathematics Module
	Flight-Mechanics-Space-Dynamics
Complete-Syllabus	Complete Syllabus Exam-1
	Complete Syllabus Exam-2
	Complete Syllabus Exam-3
	Complete Syllabus Exam-4
	Complete Syllabus Exam-5

Note: 5 more complete syllabus exams will be added for GATE 2021



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Quora answer- Which-coaching-is-best-for-GATE-Aerospace-preparation- <https://qr.ae/TWyyXq>