Aerodynamics

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Topic Wise tests

Topic Name	No of Tests	No of questions
Properties of Fluid	۲ ۱ ک	15
Non-dimensional Analysis	1	15
Flow kinematics	1	15
Potential flow	1	15
Boundary layer theory	1	15
Viscous Flow	1	15
Airfoil nomenclature	1	15
Core Aerodynamics	1	15
1D Flow	1	15
Normal shock	1	15
Oblique shock and expansion fan	1	15
Rayleigh and fanno flow	1	15
Complete gas dynamics	2	ce ¹⁵ en
Fluid mechanics	2	15

Subject Wise tests

Topic Name	No of Tests	No of questions
erodynamics	2	20
Aerodynamics		
Aerodynamics Topic Name	No of Tests	No of questions



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Topic Wise tests

Propulsion

Topic Name	No of Tests	No of questions
Basic Thermodynamics	4	15
Axial flow compressor	2	15
Centrifugal compressor	1 (s ^a	15
Combustion	1	15
Jet engine performance	1	ీ 15
Turbine	1	15
Rocket Propulsion	1	15
Heat transfer	1	

Subject Wise tests

Propulsion

Topic Name	No of Tests	No of questions
Propulsion	2	20

Mixed Subject tests

Propulsion

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Topic Name	No of Tests	No of questions
Propulsion & gas dynamics	2	20



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Topic Wise tests

Structures

Topic Name	No of Tests	No of questions
Stress strain	2	15
Bending Moment and MOI	1	15
SFD/BMD	1	15
Deflection	1	15
Buckling of column	1	15
Failure Theory	1	15
Vibrations	2	15

Subject Wise tests

Structures		
Topic Name	No of Tests	No of questions
Aircraft Structures	2	20

Mixed Subject tests

Structures		
Topic Name	No of Tests	No of questions
Strength of materials & Fluid mechanics	2	20
Vibrations and Thermodynamics	1	20



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Topic Wise tests

Topic Name	No of Tests	No of questions
inear Algebra	4	15
Differential Equations	4	15
Calculus	4	15
aplace Transforms	2 000	15
robability	2	
Complex Numbers	2	15
Numerical Methods	2	15

Subject Wise tests

Mathematics

Topic Name	No of Tests	No of questions
Mathematics	3	20
Wathematics		

Mixed Subject tests

Mathematics

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Topic Name	No of Tests	No of questions
Mathematics & Aptitude	3	20



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Topic Wise tests

Aptitude

Topic Name	No of Tests	No of questions
Number System	2	15
Percentage	2	15
SI and CI	2	15
Averages	2	15
Ratio and Proportion	2	
Mixture and Alligation	2	
Time and work	2	15
Time and Distance	2	15
Blood Relationship	2	15
Coding and Decoding	2	15
Direction sense	2	
Data Interpretation	4	15
Paper cutting, folding, mirror images	2	15

Subject Wise tests

Aptitude			
Topic Name	No of Te	ests No of questions	
Aptitude	3	20	000



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Topic Wise tests

Flight Mechanics

Topic Name	No of Tests No of questions		
Basics of FM	2	15	
Aircraft Performance	2	15	
Aircraft stability	2	15	

Subject Wise tests

Flight Mechanics

Topic Name	No of Tests No of questions		
Flight Mechanics	2	20	

Mixed Subject tests

Flight Mechanics

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Topic Name	No of Tests	No of questions
Flight Mechanics & Space	2 6	20
Mechanics		Ha



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Topic Wise tests

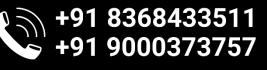
Space Mechanics

Topic Name	No of Tests	No of questions	S	
Basics of Space Mechanics	2	15		
Core Space Mechanics	2	15		
		A Star		
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Subject Wise tests

Space Mechanics

Topic Name	No of Tests	No of questions	
Space Mechanics	2 –	XCellence	



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TOTAL TESTS

ALL SUBJECTS					
Subject Name	Topic Wise test	Subject Wise test	Mixed Subject test	Grand Test	Total TESTS
Aerodynamics	16	2	2	J. S.	20
Propulsion	12	2	2		16
Structures	9	2	3	Jic at a	14
Mathematics	20	3	3		26
Aptitude	28	3		DP/	31
Flight Mechanics	6	2	2		10
Space Mechanics	4	2			6
Total TESTS	95	16	12	10	133

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