



**ACE**<sup>®</sup>  
**Engineering Academy**  
Leading Institute for ESE/GATE/PSUs

# ESE-2022(Prelims)

## *Offline* Test Series

### Mechanical Engineering

**No.of Tests: 24**  
(Grand Test: 20 and Mock Tests: 4)

**Paper-I (General Studies and Engineering Aptitude)**

No.of Tests: 12 (Grand Test: 10 and Mock Tests: 2)

**Paper-II (Engineering Discipline)**

No.of Tests: 12 (Grand Test: 10 and Mock Tests: 2)

**Starts from: 27<sup>th</sup> November 2021**

**Test Series will be conducted at: HYDERABAD | DELHI | PUNE**

# Grand Tests

Date	Test No	Subject Name	Paper	Time	No. of Questions	Max Marks
27-11-2021 (Saturday)	Test-1	Thermodynamics and Heat transfer + Renewable Sources of Energy	Paper-II	4 pm to 5.30 pm	75	150
	Test-2	Ethics and values in Engineering profession	Paper-I	5.45 pm to 6.45 pm	50	100
04-12-2021 (Saturday)	Test-3	IC Engines, Refrigeration and Air conditioning + Power Plant Engg.	Paper-II	4 pm to 5.30 pm	75	150
	Test-4	Information and Communication Technologies (ICT)	Paper-I	5.45 pm to 6.45 pm	50	100
11-12-2021 (Saturday)	Test-5	Manufacturing , Industrial and Maintenance Engineering + Mechatronics and Robotics	Paper-II	4 pm to 5.30 pm	75	150
	Test-6	Standards and Quality practices in production, construction, maintenance and services	Paper-I	5.45 pm to 6.45 pm	50	100
18-12-2021 (Saturday)	Test-7	Mechanisms and Machines + Design of Machine Elements	Paper-II	4 pm to 5.30 pm	75	150
	Test-8	Basics of Project Management	Paper-I	5.45 pm to 6.45 pm	50	100
25-12-2021 (Saturday)	Test-9	Fluid Mechanics + Turbo Machinery	Paper-II	4 pm to 5.30 pm	75	150
	Test-10	Basics of Material Science and Engineering	Paper-I	5.45 pm to 6.45 pm	50	100
01-01-2022 (Saturday)	Test-11	Engineering Mechanics and Strength of Materials + Engineering Materials	Paper-II	4 pm to 5.30 pm	75	150
	Test-12	Engineering Mathematics and Numerical Analysis	Paper-I	5.45 pm to 6.45 pm	50	100

Date	Test No	Subject Name	Paper	Time	No. of Questions	Max Marks
08-01-2022 (Saturday)	Test-13	Fluid Mechanics + Turbo Machinery + Thermodynamics and Heat transfer	Paper-II	4 pm to 5.30 pm	75	150
	Test-14	General Principles of Design, Drawing, Importance of Safety	Paper-I	5.45 pm to 6.45 pm	50	100
15-01-2022 (Saturday)	Test-15	IC Engines, Refrigeration and Air conditioning + Power Plant Engg. + Renewable Sources of Energy	Paper-II	4 pm to 5.30 pm	75	150
	Test-16	Basics of Energy and Environment	Paper-I	5.45 pm to 6.45 pm	50	100
22-01-2022 (Saturday)	Test-17	Engineering Materials + Manufacturing , Industrial and Maintenance Engineering + Mechatronics and Robotics	Paper-II	4 pm to 5.30 pm	75	150
	Test-18	Engineering Aptitude covering Logical reasoning and Analytical ability	Paper-I	5.45 pm to 6.45 pm	50	100
29-01-2022 (Saturday)	Test-19	Engineering Mechanics & Strength of Materials+ Mechanisms and Machines + Design of Machine Elements	Paper-II	4 pm to 5.30 pm	75	150
	Test-20	Current issues of national and international	Paper-I	5.45 pm to 6.45 pm	50	100

## Full Length Mock Tests

05-02-2022 (Saturday)	Test-21	Full Length Mock Tests-1 (General Studies & Engineering Aptitude)	Paper-I	10 am - 12 noon	100	200
	Test-22	Full Length Mock Tests-2 (Engineering Discipline)	Paper-II	2 pm - 5 pm	150	300
12-02-2022 (Saturday)	Test-23	Full Length Mock Tests-3 (General Studies & Engineering Aptitude)	Paper-I	10 am - 12 noon	100	200
	Test-24	Full Length Mock Tests-4 (Engineering Discipline)	Paper-II	2 pm - 5 pm	150	300