

IES  GS



## STUDY PLAN FOR ESE GS & APTITUDE PRELIMS - 2020

- This is a 120 + 30 days plan from JULY 3 to DECEMBER 3
- Consists of 120 days of study plan to cover all 10 topics, including the current affairs.
- Incorporated with partial and full syllabus tests on the individual subjects
- Flexibility to choose from 2 test plans - **MagLev** and **HyperLoop**. For details watch the video <https://www.youtube.com/watch?v=AxzMBjepR80&t=2s>
- **MagLev** is the plan which finishes one subject at a time, take tests and then go to next subject
- **HyperLoop** is the plan for those people who like to mix up the subjects for studying. They will finish two different subjects at a go.
- Considering students of above two types, we will release tests for two subjects at one schedule. You can take the tests as per your plan.
- You can allot every day 8 hrs of study, 5 hrs for technical, 2-3 hrs for the GS paper 1
- You can give 30 min extra if you are following current affairs and quiz daily. Also give the 30 min extra time for the partial topic wise tests.

**Revision Plan**

- There is 30 days of revision plan, accompanied with the comprehensive tests ( from 7th November to 7th December)

**Material to study:**

**For registered students:** Follow the video lectures, any additional material required will be provided.

**For other students:** Try to follow what ever you have already studied. Apart from that, you can see the last year's study plan for the reference materials.

**ESE GS & APTITUDE TOPICS**

1. Engineering Mathematics
2. Engineering Aptitude
3. Project Management
4. Material Science
5. Quality Control
6. Design, Drawing and Safety
7. Energy & Environment
8. Ethics
9. ICT
10. Current affairs(Basic portion is optional)

## Daily Plan

Topics	Engineering Subjects	General Studies(Without Daily Current Affairs)	General Studies(With Daily Current Affairs)
<b>Time allocation</b>	5 hours	2-3 hours	3.30 hours
<b>Time subdivision</b>	Up to you	Topics - 2.45 hrs Revision - 15 min	Topics - 2.45 hrs Revision - 15 min Daily news and quiz -30min

## Additional Notes

- You can have periodic revisions as per your speed
- You can have **Sudden Revisions** once you complete the individual subjects - say once in 20 days.

## Test Series Registration

Test series to the non-registered students are offered together as below

### ESE paper1 test series 2020 + Test series 2019 + Current Affairs Video Lectures

- Click here - [Adapala Academy](#) for the test series platform
- For instructions click here - [IES GS](#)
- Individual Tests will be activated as per the schedule given in the study plan

## TOPIC WISE STUDY PLAN

PLAN MAGLEV			PLAN HYPERLOOP	
DAY	SUBJECTS	TOPICS COVERED	DAY	SUBJECTS
July 3	<b>Mathematics 1</b>	Matrices -1	July 3	<b>Mathematics 1</b>
July 4		Matrices -2	July 4	
July 5		Numerical Methods	July 5	
July 6		Calculus - 1	July 6	
July 7	<b>Test - Maths 1</b>	Calculus - 2	July 7	<b>Test - Maths 1</b>
July 8	<b>Mathematics 2</b>	Probability & Statistics	July 8	<b>Aptitude 1</b>
July 9		Complex Numbers & Functions	July 9	
July 10		Laplace Transforms, Fourier Transforms,	July 10	

July 11		Z-Transforms	July 11	<b>Test -Aptitude 1</b>
July 12	<b>Test - Maths 2</b>	Differential Equations	July 12	<b>Mathematics 2</b>
July 13	<b>Full Revision - Maths</b>		July 13	
July 14	<b>Revision + Full test - Maths</b>		July 14	
July 15	<b>Aptitude 1</b>	Numbers, Percentages	July 15	
July 16		Profit and loss, Interests	July 16	<b>Test - Maths 2</b>
July 17		Averages, Ratio and Proportion	July 17	<b>Full Revision - Maths</b>
July 18	<b>Test -Aptitude 1</b>	Equations, Time and Distance	July 18	<b>Revision + Full test - Maths</b>
July 19	<b>Aptitude 2</b>	Time and Work, Mixtures and Alligations	July 19	<b>Aptitude 2</b>
July 20		Reasoning - Venn diagrams, blood relations	July 20	
July 21		Reasoning - Directions, Puzzles	July 21	
July 22	<b>Test -Aptitude 2</b>	Reasoning - Geometry and mensuration	July 22	<b>Test -Aptitude 2</b>

July 23	<b>Revision - Aptitude</b>		July 23	<b>Revision - Aptitude</b>
July 24	<b>Full Test -Aptitude</b>		July 24	<b>Full Test -Aptitude</b>
July 25	<b>Project Management 1</b>	<b>Basics of Project Management:</b> Introduction, Project life cycles, Level of effort <b>Project Initiation &amp; Formulation:</b> Decision matrix, weighted decision matrix, Project appraisals, Financial analysis/feasibility	July 25	<b>Project Management 1</b>
July 26		<b>Project Initiation &amp; Formulation:</b> Methods of demand forecasting, Project Charter, Project organisation, Project Manager, Tasks and Functions of project planning	July 26	
July 27		<b>Project Planning &amp; Scheduling:</b> Work breakdown structure, Scheduling process, BAR chart, Linked chart, Milestone chart	July 27	
July 28		<b>Project Planning &amp; Scheduling:</b> Network diagrams, CPM, PERT, Resource levelling and Resource smoothing	July 28	
July 29		<b>Project Monitoring &amp; Control:</b> Performance evaluation techniques: Earned value analysis. Critical ratio, Line of Balance, Graphical evaluation and review technique, time-cost trade off	July 29	
	<b>Test -Project Management 1</b>		July 29	<b>Test -Project Management 1</b>



July 30	<b>Project Management 2</b>	<b>Project Closing:</b> Evaluation criteria and methods, Project auditing, Project termination, Project contracts	July 30	<b>Material Science 1</b>
July 31		<b>Compound Interest Rate Factors</b>	July 31	
Aug 1		<b>Depreciation and its calculation</b>	Aug 1	
Aug 2		<b>Break even analysis</b>	Aug 2	
Aug 3	<b>Test - Project Management 2</b>	<b>Miscellaneous topics:</b> Enterprise resource Planning, ABC analysis etc	Aug 3	
Aug 4	<b>Revision - PM</b>		Aug 4	<b>Test - Material Science 1</b>
Aug 5	<b>Full Test -Project Management</b>		Aug 5	<b>Project Management 2</b>
Aug 6	<b>Material Science 1</b>	Atomic Structure & Bonding	Aug 6	
Aug 7		Crystalline Solids structures, Imperfections, types of defects	Aug 7	
Aug 8		<b>Phase diagrams:</b> mixtures, phases, different systems, properties of different phases.	Aug 8	

Aug 9		Processing of Metals	Aug 9	<b>Test -Project Management 2</b>
Aug 10		Corrosion and Degradation	Aug 10	<b>Revision - PM</b>
Aug 11	<b>Test - Material Science 1</b>	Mechanical Properties	Aug 11	<b>Full Test -Project Management</b>
Aug 12	<b>Material Science 2</b>	Magnetic Properties	Aug 12	<b>Material Science 2</b>
Aug 13		Electrical and Optical Properties	Aug 13	
Aug 14		Ferrous materials	Aug 14	
Aug 15		Non-Ferrous metals and alloys	Aug 15	
Aug 16		Processing of materials	Aug 16	
Aug 17		Ceramics and composites	Aug 17	
Aug 18		<b>Test - Material Science 2</b>	Polymers	

Aug 19	<b>Revision + Full Test - MS</b>		Aug 19	<b>Revision + Full Test - MS</b>
Aug 20	<b>Quality Control 1</b>	TQM	Aug 20	<b>Quality Control 1</b>
Aug 21		SQC - 1	Aug 21	
Aug 22		SQC - 2	Aug 22	
Aug 23		six sigma	Aug 23	
Aug 24	<b>Test - Quality Control 1</b>	Inventory control	Aug 24	<b>Test - Quality Control 1</b>
Aug 25	<b>Quality Control 2</b>	JIT	Aug 25	<b>Design</b>
Aug 26		Reliability	Aug 26	
Aug 27		Inspection and Audit	Aug 27	
Aug 28		Manufacturing	Aug 28	
Aug 29	<b>Test - Quality Control 2</b>	Construction, Services	Aug 29	<b>Test - Design</b>

Aug 30	<b>Full Revision - Quality Control</b>		Aug 30	<b>Quality Control 2</b>
Aug 31	<b>Full Test - Quality Control</b>		Aug 31	
Sep 1	<b>Design</b>	Introduction, Aesthetics, Ergonomics, Statics: Forces, Friction	Sep 1	
Sep 2		centroids, moment of inertia	Sep 2	
Sep 3		<b>Stress:</b> Simple stresses, Stresses on oblique planes, Elastic Constants	Sep 3	<b>Test - Quality Control 2</b>
Sep 4		Bending stress, Torsional shear stress, Columns, Strain energy	Sep 4	<b>Full Revision - Quality Control</b>
Sep 5	<b>Test - Design</b>	<b>Remaining</b>	Sep 5	<b>Full Test - Quality Control</b>
Sep 6	<b>Drawing and Safety</b>	Geometry and Scales, Engineering Curves	Sep 6	<b>Drawing and Safety</b>
Sep 7		Projections: of points, lines, planes and solids	Sep 7	
Sep 8		Development of Surfaces and Remaining.	Sep 8	
Sep 9		Safety - First half	Sep 9	

Sep 10	<b>Test - Drawing 2+ Safety</b>	Safety - Second half	Sep 10	<b>Test - Drawing 2+ Safety</b>
Sep 11	<b>Full Revision - Drawing and Safety</b>		Sep 11	<b>Full Revision - Drawing and Safety</b>
Sep 12	<b>Full Test - Design, Drawing and Safety</b>		Sep 12	<b>Full Test - Design, Drawing and Safety</b>
Sep 13	<b>Environment 1</b>	<b>Ecology:</b> Characteristics of ecosystem, energy flow, nutrient cycling, interactions, Important ecosystems, biomes, biodiversity	Sep 13	<b>Environment 1</b>
Sep 14		<b>Atmosphere:</b> composition, structure	Sep 14	
Sep 15		<b>Atmosphere:</b> weather and climate	Sep 15	
Sep 16		<b>Degradation and pollution:</b> air - pollutants, pollution, effects, prevention, control	Sep 16	
Sep 17		<b>Degradation and pollution:</b> Water - pollutants, pollution, effects, prevention, control, radiation pollution	Sep 17	
Sep 18	<b>Test - Environment 1</b>	<b>Degradation and pollution:</b> land degradation, ecosystem, <b>ozone:</b> formation, depletion, protection	Sep 18	<b>Test - Environment 1</b>
Sep 19	<b>Environment 2 + Energy</b>	<b>Climate change:</b> Causes, effects, adaptation and mitigation, global and national efforts	Sep 19	<b>Ethics 1</b>

Sep 20		<b>Conservation:</b> protection, preservation, protected areas	Sep 20	
Sep 21		<b>Conservation:</b> global efforts, national efforts, EIA	Sep 21	
Sep 22		<b>Energy:</b> Classification	Sep 22	<b>Test -Ethics 1</b>
Sep 23		<b>Energy:</b> production	Sep 23	<b>Environment 2 + Energy</b>
Sep 24	<b>Test - Environment 2 + Energy</b>	<b>Energy:</b> Conservation, national efforts	Sep 24	
Sep 25	<b>Full Revision - Environment and Energy</b>		Sep 25	
Sep 26	<b>Full test -Environment and Energy</b>		Sep 26	
Sep 27	<b>Ethics 1</b>	Introduction	Sep 27	
Sep 28		Emotional Intelligence	Sep 28	<b>Test -Environment 2 + Energy</b>
Sep 29		Attitude -1	Sep 29	<b>Full Revision - Environment and Energy</b>
Sep 30	<b>Test -Ethics 1</b>	Attitude -2	Sep 30	<b>Full test -Environment and Energy</b>

Oct 1	<b>Ethics 2</b>	Persuasion & Influencing	Oct 1	<b>Ethics 2</b>
Oct 2		Types of Power	Oct 2	
Oct 3		Organisational Ethics Part1	Oct 3	
Oct 4	<b>Test -Ethics 2</b>	Organisational Ethics Part2	Oct 4	<b>Test - Ethics 2</b>
Oct 5	<b>Full Revision - Ethics</b>		Oct 5	<b>Full Revision - Ethics</b>
Oct 6	<b>Full test - Ethics</b>		Oct 6	<b>Full test - Ethics</b>
Oct 7	<b>ICT 1</b>	<b>Information</b> : computing and processing	Oct 7	<b>ICT 1</b>
Oct 8		<b>Information</b> : input, output and storage	Oct 8	
Oct 9		<b>Networking</b> : computer networks, devices, Internet, web, web technologies	Oct 9	
Oct 10		<b>Networking</b> :Wireless communication, standards	Oct 10	
Oct 11		<b>Communication</b> :systems, satellites, navigation, remote sensing	Oct 11	
Oct 12	<b>Test -ICT -1</b>	<b>Communication</b> : Mobile communication	Oct 12	<b>Test -ICT -1</b>

Oct 13	<b>ICT 2</b>	<b>Communication</b> : IOT, telephone, Radio etc,	Oct 13	<b>CA1</b>
Oct 14		<b>Applications:</b> Engineering and others	Oct 14	
Oct 15		<b>Advancements</b> : bigdata, ML, AI etc	Oct 15	
Oct 16		<b>e-governance:</b> Digital India and other schemes	Oct 16	
Oct 17		<b>Applications:</b> Digital India and other schemes	Oct 17	
Oct 18	<b>Test -ICT -2</b>	<b>Applications:</b> e-education, cyber security	Oct 18	<b>ICT 2</b>
Oct 19	<b>Revision - ICT</b>		Oct 19	
Oct 20	<b>Full Test - ICT</b>		Oct 20	
Oct 21	<b>CA1</b>	Basics of Economics	Oct 21	
Oct 22		Basics of Society and Industry	Oct 22	
Oct 23		January, February News	Oct 23	<b>Test -ICT -2</b>
Oct 24		March, April News	Oct 24	<b>Revision - ICT</b>



Oct 25	<b>Test -CA -1</b>	May News	Oct 25	<b>Full Test - ICT</b>
Oct 26	<b>CA2</b>	June	Oct 26	<b>CA2</b>
Oct 27		July	Oct 27	
Oct 28		August	Oct 28	
Oct 29		September	Oct 29	
Oct 30	<b>Test -CA -2</b>	October and November	Oct 30	<b>Test -CA -2</b>
Oct 31	<b>Revision - CA</b>		Oct 31	<b>Revision - CA</b>
Nov 1	<b>Full Test - CA</b>		Nov 1	<b>Full Test - CA</b>

REVISION PLAN			
Nov 4 - 11		1. Environment + Energy 2. PM 3. Design 4. MS 5. Drawing+Safety	7 days
<b>Nov 12</b>		<b>Test - CT 1</b>	
Nov 13 - 20		1. ICT 2. Quality 3. Ethics 4. Maths 5. Aptitude 6. CA	7 days
<b>Nov 21</b>		<b>Test -CT 1</b>	
Nov 22 -29		Full Syllabus	7 days
<b>Nov 30</b>		<b>Full test - CT3</b>	
Dec 1 - 7		Full Syllabus	7 days
<b>Dec 8</b>		<b>Full test - CT4</b>	

IES GS WISHES ALL THE BEST FOR PRELIMS

# Adapala-Academy.com



ESE Lectures



GATE Lectures



Discussion Forum



Online Test Series

# IES GS Video Lectures



Study from anywhere anytime



Extensive syllabus coverage



One year doubts support



Money back guarantee



Free online test series

more details at [www.iesgeneralstudies.com](http://www.iesgeneralstudies.com)