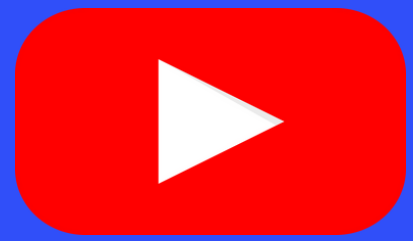


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IGCAR Exam Pattern 2021

IGCAR Stipendiary Trainee Category II, Technician Exam Pattern

Stage I

Type of Questions	Subject Names	Total Questions	Total Marks	Exam Duration
Objective questions	Mathematics	20	60	2 Hours
	Science	20	60	
	General Awareness	10	30	
Total		50	150	

Stage II

Type of Questions	Subject Names	Total Questions	Total Marks	Exam Duration
Objective Type Questions	Advanced Test in respective Trade	50	150	2 Hours

Scientific Officer, Stipendiary Trainee Grade I Exam Pattern

Question Type	Names of topics	Questions	Total marks	Test Duration
Objective questions	Relevant Subjects	100	300	2 hours

IGCAR Technical Officer Test Pattern

Type of Questions	Subject Names	Total Questions	Total Marks	Exam Duration
Objective questions	Respective Trade	75	225	2 Hours

IGCAR UDC Exam Pattern

Level	Exam type	Subject Names	Total questions	Marks	Time Duration
Level-I	Objective	General English	100	100	90 Min
		General Knowledge			
		General Intelligence & Reasoning			
		Quantitative Aptitude (Arithmetic)			
Level-I	Descriptive	English language and Comprehension	–	–	3 hours

IGCAR Syllabus 2021

General English Syllabus

- Narration
- Synonyms
- Anonyms
- Voice Change
- Proposition
- Error in Verb
- Adverb
- Proposition, etc.

General Knowledge Syllabus

- Current Events
- Important Awards & Honors
- Science and Technology
- Sports
- Indian Economy
- Political Awareness/ Polity
- Persons in the News
- Places in the News, etc.

Quantitative Aptitude

- Average
- Boat & Stream
- Compound & Simple Interest
- LCM & HCF
- Mixture & Alligation
- Partnership
- Percentages
- Pipes & Cistern
- Problem on Ages
- Profit loss & Discount
- Miscellaneous



General Intelligence & Reasoning Syllabus

- Interest.
- Number Systems also.
- Charts and diagrams.
- Tables and Catlett.
- Linear Equations.
- Percentages.
- Sets.
- Data Interpretation.
- Mensuration.
- Functions.
- Circles.
- Averages.
- Quadrilaterals and Polygons.

Civil Engineering Syllabus

- Concrete Technology.
- Solid Mechanics, Structural Analysis.
- Fluid Mechanics.
- Hydraulic Structures.
- Transportation Engineering.
- Bridge Engineering.
- Steel Structures.
- Hydrology & Water Resources Engineering.
- Civil Engineering Materials and Construction.
- Construction and Project Management.
- Environmental Engineering.
- PSC Structures.
- Reinforced Concrete Structures.

Mechanical Engineering Syllabus

- Meteorology and Inspection.
- Thermodynamics.
- Energy conservation.
- Engineering Mechanics.
- Engineering Materials.
- Fluid Machines.
- Management Information System.
- The Strength of Materials.

Indira Gandhi Centre for Atomic Research



- Production Planning and Control.
- Inventory Control.
- Metal Casting.
- Machining and Machine Tool Operations.
- Heat Transfer.
- Operations Research
- Machining and Machine Tool Operations.
- Theory of Machines.

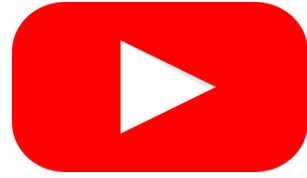
Electrical Engineering Syllabus

- Network Analysis.
- Control Systems.
- Electrical Machines.
- Power System Analysis & Control.
- Electrical Instrumentation.
- Power Systems.
- Electronics Devices.
- Power Electronics & Drives.
- Analog and Digital Electronics.
- Electromagnetic Theory.
- Power System Protection.
- Utilization Of Electrical Energy.
- Switch Gear and Protection.

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