# Post Graduate Institute of Medical Education & Research (PGIMER) Syllabus

**PGIMER Junior Technician Syllabus - English**

- Substitution
- Sentence Arrangement
- Transformation
- Prepositions
- Fill in the blanks
- Para Completion
- Joining Sentences
- Error Correction (Underlined Part)
- Antonyms
- Spelling Test
- Synonyms
- Idioms and Phrases
- Passage Completion
- Error Correction (Phrase in Bold)
- Spotting Errors
- Sentence Completion
- Active and Passive Voice
- Sentence Improvement

**Post Graduate Institute of Medical Education & Research (PGIMER) Hindi Syllabus**

- समास
- लोकोक्तियाँ
- मुहावरे
- विलोम
- अनेकार्थी शब्द वाक्य संशोधन -लिंग
- वचन
- कारक
- काल
- वाक्यांशों के लिए एक शब्द
- वर्तनी
- संधियां
- त्रुटि से सम्बंधित
- पर्यायवाची
- रस
- तद्भव तत्सम
- अलंकार

**pgimer.edu.in Maths Syllabus**

# Post Graduate Institute of Medical Education & Research (PGIMER) Syllabus

- Relations and Functions
- Logarithms
- Complex Numbers
- Quadratic Equations
- Sequences and Series
- Trigonometry
- Cartesian System of Rectangular Coordinates
- Statistics
- Differentiation
- Introduction to Three Dimensional Geometry
- Straight Lines
- Circles
- Conic Sections
- Permutations and Combinations
- Vectors
- Exponential and Logarithmic Series
- Sets and Set Theory
- Probability Function
- Limits and Continuity
- Applications of Derivatives
- Indefinite Integrals Binomial Theorem
- Matrices
- Determinants
- Definite Integrals

**PGIMER Junior Technician Syllabus - General Knowledge**

- Awards
- Authors
- Flower
- Defense
- Culture
- Religion
- Languages
- Capitals
- Wars and
- Neighbors
- Current Affairs
- History
- Anthem
- Important National Facts

# Post Graduate Institute of Medical Education & Research (PGIMER) Syllabus

- Heritage and Arts
- Dance
- Currencies
- Bird
- Animal
- Abbreviations
- Discoveries
- Diseases and Nutrition
- Song
- Flag
- Monuments
- Personalities
- Freedom Movement
- Championships
- Winners
- Terms
- Common Names
- Full forms
- Soil
- Rivers
- Mountains
- Ports
- Inland Harbours
- Number of Players
- Culture
- Religion
- Dance
- Heritage and Arts

**Post Graduate Institute of Medical Education & Research (PGIMER) Reasoning Syllabus**

**Verbal Reasoning**

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha- Numeric Sequence Puzzle

# Post Graduate Institute of Medical Education & Research (PGIMER)
# Syllabus

- Puzzle Test
- Blood Relations
- Coding- Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Directions
- Test on Alphabets
- Eligibility Test

**Non-Verbal Reasoning**

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of squares and Triangles
- Series
- Analogy
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Cubes and Dice
- Water Images
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection

**pgimer.edu.in Civil Syllabus**

- A Flow of Fluids, Hydraulic Machines, and Hydro Power
- Fluid Mechanics, Open Channel Flow, Pipe Flow
- Hydraulic Machines and Hydropower
- Hydrology and Water Resources Engineering
- Environmental Engineering
- Water Supply Engineering

# Post Graduate Institute of Medical Education & Research (PGIMER) Syllabus

- Building Materials
- Structural Analysis
- Design of Steel Structures
- Design of Concrete and Masonry structures
- Construction Practice
- Planning and Management
- Waste Water Engineering
- Solid Mechanics
- Solid Waste Management
- Air, Noise pollution, and Ecology
- Geotechnical Engineering and Foundation Engineering
- Surveying and Geology
- Transportation Engineering
- Highways
- Tunneling
- Railways Systems
- Harbors
- Airports

**PGIMER Junior Technician Syllabus - Mechanical**

- Engineering Mechanics
- Engineering Materials
- Mechanisms and Machines
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning
- Turbo Machinery
- Thermodynamics and Heat transfer
- Power Plant Engineering
- Renewable Sources of Energy
- Design of Machine Elements
- Manufacturing
- Industrial and Maintenance Engineering
- Mechatronics and Robotics

**Post Graduate Institute of Medical Education & Research (PGIMER) Computer Science Syllabus**

- Knowledge of C++
- Operating Systems – DOS
- PHP
- MS SQL Server

# Post Graduate Institute of Medical Education & Research (PGIMER)
## Syllabus

- Oracle PL_SQL Architecture
- ASP.NET
- ADO.NET
- Java & JavaScript
- Manageable switch/router & wireless LAN with the network security
- Firewall & anti virus
- UML
- Object-Oriented designing
- Proposing and creating architecture and re-usable libraries in.NET
- JavaScript
- Networking with LAN/WAN
- Novel
- Window OS client & server & Linux OS-client & server.
- Web Services
- Window Services
- JSON
- The query will be an added plus
- Grid Computing, Distributed
- OS
- Image processing, Digital signal processing
- Image processing
- VLSI
- Embedded System