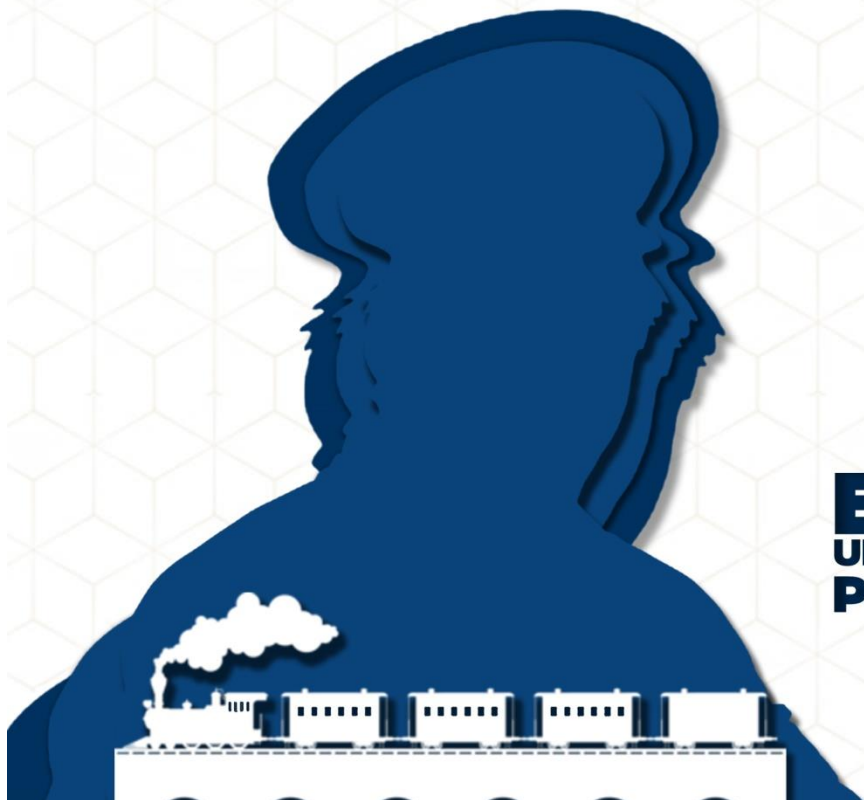




Learning with
DrGenius Academy

RAILWAY LOCO PILOT SYLLABUS



EDUCATION
UNLOCKS **ENDLESS**
POSSIBILITIES



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SYLLABUS**CBT - 1****Mathematics :**

Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

Mental Ability :

Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and Decision Making, Similarities and Differences, Analytical reasoning, Classification, Directions, Statement – Arguments and Assumptions etc.

General Science :

The syllabus under this shall cover Physics, Chemistry and Life Sciences of 10th standard level.

General Awareness :

Current affairs, science & technology, sports, culture, personalities, economics, politics and other subject of importance

CBT – 2

Part – A

Mathematics :

Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

General Intelligence and Reasoning :

Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and decision making, Similarities and differences, Analytical reasoning, Classification, Directions, Statement – Arguments and Assumption etc.

Basic Science and Engineering :

The broad topics that are covered under this shall be Engineering Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic Representation), Units, Measurements, Mass Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Levers and Simple Machines, Occupational Safety and Health, Environment Education, IT Literacy etc.

Part – B

(i) Part – B only a qualifying test in nature and shall have questions from the various trade syllabi as prescribed by Directorate General of Training (DGT).

(ii) Qualifying Percentage – 35% for all candidates irrespective of category/community.

(iii) Candidates with ITI/Trade Apprenticeship qualification will be required to appear in the section having question from their trade.

(iv) Degree, Diploma candidates have to select one trade from the list of trades listed below against their engineering discipline.

PART – B (Qualifying Test) of CBT – 2		
QUALIFICATION – WISE GROUPING OF TRADES / SUBJECT		
S.NO.	Qualification of Candidate	Trade / Subject of Choice for Part - B
1	Electrical Engineering and combination of various streams of Electrical Engineering	Electrician, Instrument Mechanic, Wireman, Armature & Coil Winder, Refrigeration and Air-conditioning Mechanic
2	Electronics Engineering and combination of various streams of Electronics Engineering	Electronics Mechanic, Mechanic (Radio & TV)
3	Mechanical Engineering and combination of various streams of Mechanical Engineering	Fitter, Mechanic (Motor Vehicle), Tractor Mechanic, Mechanic (Diesel), Turner, Machinist, Refrigeration and Air-conditioning Mechanic, Heat Engine, Millwright / Maintenance Mechanic
4	Automobile Engineering and combination of various streams of Automobile Engineering.	Mechanic (Motor Vehicle), Tractor Mechanic, Mechanic (Diesel), Heat Engine, Refrigeration and Air-conditioning Mechanic