

Gurudas College

Department of Mathematics

Proposed syllabus for Add on Course

Deep Learning of Mathematical Reasoning and Aptitude

Basic Arithmetic

Number System, Average, Percentage, Ratio and Proportion, H.C.F. and L.C.M. of Numbers, Decimal Fractions, Simplification, Square Roots and Cube Roots, Time and Distance, Profit and loss, Simple and Compound interest, Discount. [10hrs]

Basic Algebra

Indices and surds, Quadratic Equations, Logarithm, Binomial Theorem. [5hrs]

Basic Trigonometry

Measurement of Angles, Basic Conversions, Important Conversions, Heights and Distances. [5hrs]

Basic Mensuration

Area of rectilinear figures, Surface area and Volume of a Cuboid, Sphere, Cone, Cylinder. [5hrs]

Miscellaneous

Calendar, Clocks, Permutations and Combinations, Probability, Ven Diagrams, Problems on Pattern, Number series, Statements and Quantifiers. [10hrs]

*This syllabus is good
for the said course*
DR 17/10/24
Head
Department of Pure Mathematics
University of Calcutta



DR
DR. MAUSUMI CHATTERJEE
PRINCIPAL
Gurudas College
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Kolkata-700054

To
The Principal
Gurudas College
Kolkata – 700054

Forwarded
To the HOD (Pure Maths)
dept, C.U) for
consideration as per seals.
Mhat-
17/01/24

Principal
Gurudas College
(Govt. Sponsored)
Kolkata-54

**Sub: Proposal for the approval of the curriculum
of the Add-on course**

Respected madam,

On behalf of the Department of Mathematics, I would like to bring to your notice that the department has planned to organise an Add-on Course on '**Deep Learning of Mathematical Reasoning and Aptitude**'. The course is aimed for undergraduate students who intend to appear for job-oriented competitive examinations. The students from Humanities are the main target group of this course.


The curriculum of the above-mentioned course has been attached herewith that awaits approval. We request you to kindly go through the curriculum and do the needful.

Thanking you.

With regards,

Dipankar Deb 5/1/24

HOD, Mathematics


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Gurudas College

Department of Mathematics
In collaboration with IQAC

Add on Course


Deep Learning of Mathematical Reasoning and Aptitude

For preparation of Rail, Bank,
P.O., SSC-CGL, PSC, etc.

Course Duration: 30 Hours

Commencement of Course: January 20, 2024

Registration Link: <https://forms.gle/qzvt1VGFvWpMXopC9>


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