

SLC (UNIVERSITY OF DELHI)
SHYAM LAL COLLEGE
NAAC A++ & NIRF AIR 68th

Department of Mathematics in collaboration with IQAC

presents

ADD-ON COURSE

on

DEVELOPING MATHEMATICAL APTITUDE

Link for the Complete Course Information (4 Modules)
<https://drive.google.com/file/d/1UytwqLhUF5mAsiAK-JLHcxY1cSz3SZ5S/view?usp=sharing>

DURATION: OCTOBER 3, 2023 - NOVEMBER 2, 2023
Contents of 2 Modules (Module I and Module II of 30 Hours each)

MODULE I

**BASIC MATHEMATICAL
APTITUDE**

- Number Systems
- Fundamental Arithmetic Operations
- Mensuration

MODULE II

BASIC REASONING

- Concepts of both verbal and non-verbal Analogy
- Figure Analogy and Space Orientations
- Symbolic/ Number Classification

Registration fee for each module : Rs. 200

Limited Seats are available on First Come First Serve basis

For Registration, last date is SEPTEMBER 30, 2023

Registration Link for Module I :

<https://docs.google.com/forms/d/e/1FAIpQLSdCEgpRxxg-VWFuFkaWSmd9f1qgB2a0gCPn81X76ncWwvlg3lg/viewform>

Registration Link for Module II:

<https://docs.google.com/forms/d/e/1FAIpQLSethG2C01MbVArnpWbdYpkUAryYqfIrl4S0dRzB8aKR8MVaPQ/viewform>

For any queries, Contact at : mathdepartment@shyamlal.du.ac.in

Dr. Subodh Kumar (TIC, Mathematics) Prof. Kusha Tiwari (Coordinator, IQAC) Prof. Rabi Narayan Kar (Principal, SLC)



Course Name: Basic Mathematical Aptitude (30hrs)

Date: 6th October, 2023– 10th November, 2023

Curriculum/Course Outline:

Unit-1 (10 hrs)

Number Systems: Computation of Whole Number, Decimal and Fractions, Relationship between numbers. Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations.

Unit-2 (8 hrs)

Fundamental arithmetical operations: Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time and work.

Unit-3 (12 hrs)

Mensuration: Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base.

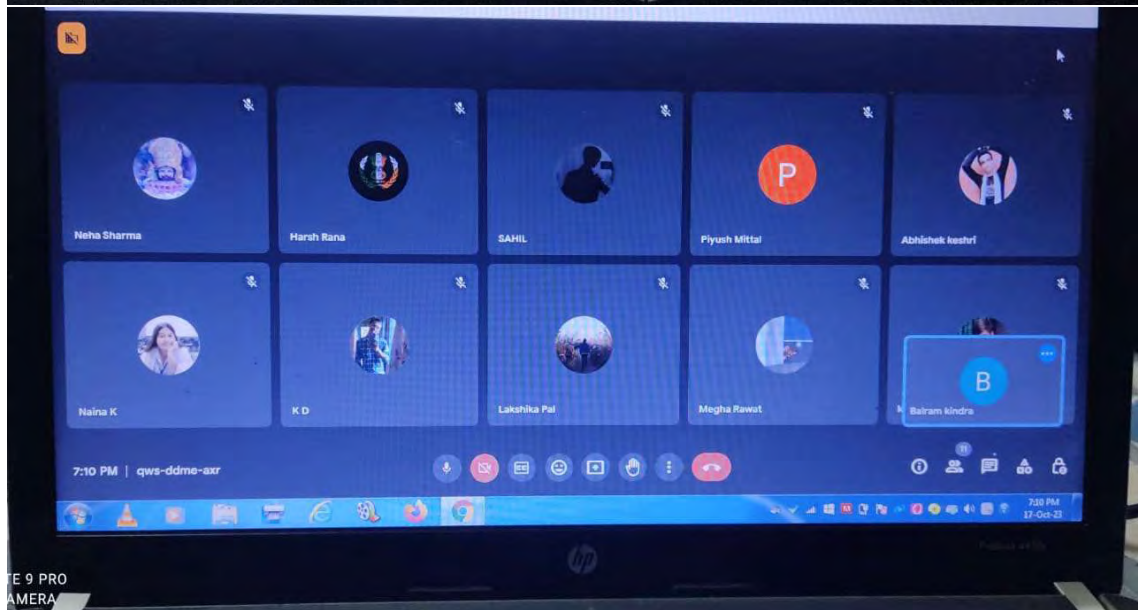
Schedule of Add on Course:

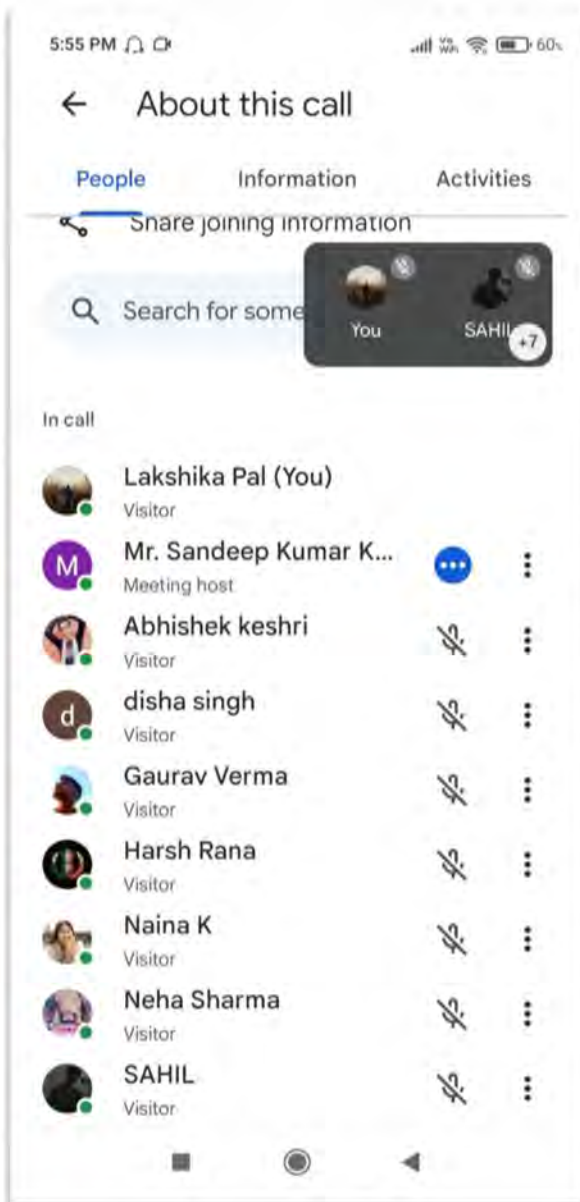
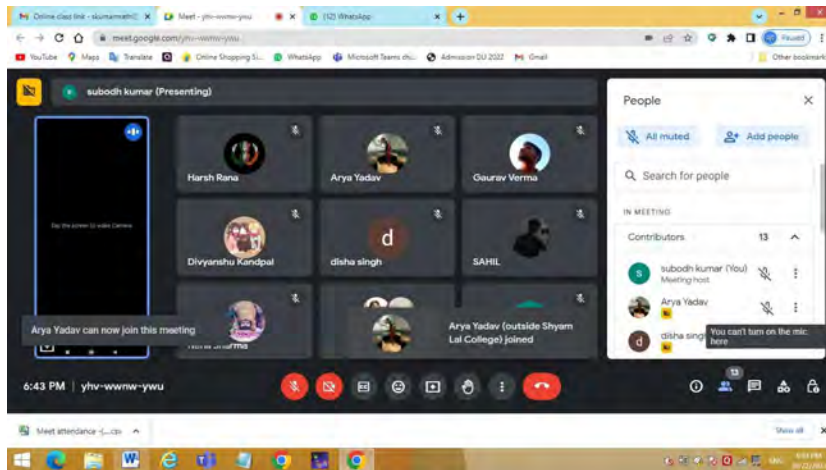
Lectures No.	Date & Time(4PM-6PM)	Faculty Name	Topic
	06.10.2023	Inaguration of Classes	
1	07.10.2023	Dr. Sudhir Kumar Yadav	Computation of Whole Number, Decimal and Fractions, Relationship between numbers.
2	08.10.2023		
3	11.10.2023	Dr. Saubhagalaxmi Singh	Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres
4	12.10.2023		

5	14.10.2023	Mr. Balram Kindra	Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations.
6	15.10.2023		
7	18.10.2023	Dr. Anuj Kr. Sharma	Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism
8	19.10.2023		
9	21.10.2023	Dr. Subodh Kumar	Fundamental arithmetical operations: Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound).
10	22.10.2023		
11	28.10.2023	Dr. Seema Guglani	Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time and work.
12	29.10.2023		
13	04.11.2023	Mr. Sandeep Kumar	Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base.
14	05.11.2023		
15	10.11.2023	ONLINE TEST	

The Department of Mathematics and IQAC, Shyam Lal College organized a 30 hours

Add on Course on “Basic Mathematical Aptitude” from 6th October, 2023 to 11th November, 2023. 22 students registered in the Add on course. This online add on course started with the inaugural session, which was held on 6th October, 2023 . The session was started by Dr. Subodh Kumar, TIC Department of Mathematics. She welcomed Prof. Rabi Narayan Kar, Principal SLC. Principal Sir talked about the importance of Mathematics in today's competitive time. Dr. Subodh also thanked principal sir for his continuous support and encouragement. He added that this add on course is also the inspiration and motivation of our principal sir. He also welcomed other resource persons, Mr. Balram Kindra, Dr. Anuj Sharma, Dr. Saubhagyalaxmi Singh, Dr. Seema Guglani, Dr. Sudhir Kumar Yadav, and Mr. Sandeep Kumar, the faculties from Department of Mathematics Department, Shyam Lal College. After that all faculties have taken all sessions online as per schedule.





Students List: **No. of Students=22**

Name
DIKSHIT
Vinit kumar singh
NAINA
Megha Rawat
Neha
SAHIL KUMAR GIRI
Lakshika Pal
Harsh
Aditya
Pawan Maurya
Abhishek kumar kesari
Piyush Mittal
Divyanshu Kandpal
Kanishk Singh
Piyush
Samanvee saroj
Disha Singh
Arya yadav
Kamaldeep bhatt
Gaurav Verma
Bishu Kumar Yadav
Tejas Goutam

Add on Course Learning Outcomes

After successful completion of the module, learners will have the knowledge and skills to

- Understand statements that articulate at the beginning what students should know, be able to do, or value as a result of taking a course or completing a program.
- Be able to use appropriate technology in a given context.