Ref. No.SC/MISC/25/58   Date.01/03/2035

NOTIFICATION

Notified for general information that, **an add on course entitled *"Understanding Mathematics using Graph"*** organised by the Department of Mathematics, Saldiha College will be commenced on and from 18.03.2025. All the interested students are required to enroll their name by filling the Google form using the following link.

 Link: https://forms.gle/fURVPhF9fMzNF5s89

Duration of the Course: Three months (40 Hours)

Method of Assessment: After completion of the course, a test will be conducted. All successful candidates will get a certificate from the concerned authority.

Class timings: Class will be held on Tuesday and Saturday from 2pm to 4pm. The schedule of classes may change for convenience.

Syllabus: The details of the syllabus have been attached.

Co-ordinator of the Course: Dr. Manik Lal Das, Contact No. 9830419133

For any query, contact the Co-ordinator.

Principal
Saldiha College
Saldiha, Bankura

Add on Course
On
Understanding Mathematics using Graph
Syllabus

Sl No.	Topic	Duration of Class
1.	Graphical analysis of Straight line, Circle, Ellipse, Parabola ,Hyperbola, Sphere, Cone, Cylinder	4 hours
2.	Algebraic functions and Graph	2 hours
3.	Exponential and Logarithmic functions	2 hours
4.	Trigonometric and Inverse Circular Functions	2 hours
5.	Rational Functions	2 hours
6.	Continuity and Differentiability of Functions using Graph	2 hours
7.	Curve with infinite branch and their Asymptotes	2 hours
8.	Astroid, Cycloid, Cardioid, folium of Descartes	3 hours
9.	Modulus, Signum, Greatest integer functions	3 hours
10.	Concavity, Convexity and points of inflexion	3 hours
11.	Singular Points: Double points, classification of double points, multiple points	3 hours
12.	Plotting of curves using Python Language	6 hours
13.	Plotting of curves using Origin Language	6 hours

Reference books:

1. K.C. Ghosh and R.K. Maity, An Introduction to Analysis: Differential Calculus (Part I), New Central Book Agency (P) Ltd., 2011.
2. Amit M Agarwal, Play with Graphs, Arihant.

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