



# GOA BOARD OF SECONDARY AND HIGHER SECONDARY EDUCATION

(A Corporate Statutory Body constituted by an Act of the State Legislature )

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GBSHSE/ACAD/SSC/MATHS/2023

Date: - 05/06/2023

## CIRCULAR NO. 39

To,  
The Heads of all recognized  
Secondary Schools  
within the jurisdiction of this Board.

Sub: - Implementation of Laboratory activities, Introduction of Logarithms, Trigonometry  
and Pattern of Question paper in Mathematics for Class IX from Academic year 2023-  
2024.

Sir/Madam,

With reference to the above cited subject, following initiatives have been taken by the Board in the Subject Mathematics for Class IX from the Academic Year 2023-2024. to enhance the teaching and learning experience in Mathematics for the upcoming Academic year 2023-2024.

- i Laboratory activities (Material is enclosed and same is available on Official Website of the Board).  
--To promote hands-on learning and foster a deeper understanding of Mathematical concepts, the Board has decided to introduce Laboratory activities in the subject of Mathematics.
- ii Introduction of Logarithms and Trigonometry.  
-- Recognising the significance of Trigonometry in various scientific and technical fields, the Board has decided to introduce study of Trigonometry at Class IX. Trigonometry is Fundamental Branch of Mathematics and plays a crucial role in solving problems related to angles and triangles.
- iii Pattern of Question paper in Mathematics for Class IX.  
--To encourage critical thinking, artificial skills and deeper understanding of a concept the Board has decided to introduce a new pattern of Question paper in Mathematics of Class IX from the Academic Year 2023-2024.

All Heads of institutions are requested to disseminate this information to the concerned for needful action. A copy of this Circular is to be displayed at a prominent place on the Notice Board of the School.

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(S. S. Kadam)

I/C Secretary

Copy to:-

1. The Director of Education, Porvorim-Goa.
2. The Director of SCERT, Alto Betim-Goa.
3. Heads of Sections of this Office.
4. P.A. to Chairman.