



# BIRLA PUBLIC SCHOOL GANGANAGAR

(A UNIT OF BIRLA EDUCATION TRUST PILANI)

Session 2026 - 27



CBSE AFFILIATION NO. 1730974

Ref No. BPSG/2026-27/EC/0016-A

## **CIRCULAR**

“MATHEMATICS EVENT: Algebra Arena”

**Class: XII**

**“Master algebra, conquer every challenge.”**

Dear Parents,

We are pleased to inform you that a Mathematics Activity titled “**Algebra Arena**” will be conducted for the students of Class XII on **4th May 2026** in the respective classrooms during the regular Mathematics period.

**Aim of the Activity:**

The event aims to strengthen students’ understanding of advanced algebraic concepts, enhance analytical thinking, and develop problem-solving skills. It encourages learners to apply mathematical concepts logically and present their ideas with clarity and confidence.

**Activities to be Prepared:**

Students are required to prepare **any one** of the following activities/ models at home and present it on the day of the event:

➤ **Matrices & Determinants Model:**

Prepare a model to demonstrate operations on matrices or the application of determinants in solving systems of equations.

➤ **Relations & Functions Presentation:**

Create a chart/model explaining types of relations and functions with graphs and real-life examples.

➤ **Continuity & Differentiability Concept Model:**

Prepare a visual model to explain continuity or differentiability of functions.

➤ **Application of Derivatives:**

Design a model to show maxima-minima or real-life applications such as optimization problems.

➤ **Linear Programming Problem (LPP):**

Create a graphical representation to solve an LPP and interpret feasible region and optimal solution.

➤ **Probability Distribution Model:**

Present a model/chart explaining probability distributions with examples.

**Instructions:**

- The activity should be neat, creative, and well-labeled.
- Students must be able to explain their model confidently.
- Use simple and easily available materials.
- Ensure originality and conceptual clarity.

We look forward to your cooperation in encouraging your ward to participate actively and make this event a meaningful and enriching learning experience.

Warm regards,

Department of Mathematics

BPSG