

W M O Arts & Science College, Muttil

Department of Mathematics

Syllabus of Bridge Course for BSC Mathematics students (2022-23)

Duration : 12 Hours

Tentative Period: September 2022

Topics

1. Sets, relations and functions
2. Algebra of functions, Limits and continuity of functions, graphs
3. Trigonometric functions - Identities and properties
4. Quadratic equations and solutions
5. Polynomial functions and rational functions
6. Differentiation
7. Integration
8. Basic geometry - Slope of a line, area, volume and surface area of solids
9. Fundamentals of graph - Graphing in cartesian coordinates
10. Linear inequalities
- 11.6. Vectors and scalars
12. Matrices - Basic properties

Note : In addition to the sessions on the above topics, two entry level tests will be conducted to assess the level of students and necessary measures will be taken.

