

Mathematics is a compulsory subject at N.M College. Students who have not studied Mathematics / studied Mathematics at lower level in Xth Standard are not eligible to take Mathematics as a subject in 11th Standard as per rules laid down by Govt. of Maharashtra.

Program: HSC Commerce	F.Y.J.C
Subject: Mathematics and Statistics	Code: 88
Number of lectures per week:	10 (Paper I - 4 lectures, Paper II - 4 lectures and 2 Practical lectures)
Evaluation Scheme:	
1 st Unit test: 25 Marks 1 st Term Examination: 50 marks 2 nd Unit test: 25 Marks 2 nd Term Examination: 80 Marks Practical Examination: 20 Marks (Internal Assessment)	
Learning Objectives:	
<ol style="list-style-type: none"> 1. Help students to think critically and solve problems. 2. Develop problem solving skills using Mathematical principles and techniques. 3. Help them to understand and apply Mathematical concepts. 4. Analyzing and interpreting data using Statistical methods. 5. Applying Mathematical and Statistical reasoning to real world situations. 6. Preparing students for further studies in Mathematics and Statistics and other related fields. 7. Fostering an appreciation for the beauty and utility of Mathematics and Statistics in various domains. 8. Help students to understand basics of permutations and combinations and use them in finding probability. 9. Introduction to complex analysis. 10. Introduction and solving of linear inequation problems. 11. Help students to solve commercial mathematics sums. 12. Introduce sets, relations and functions. 13. Help students to solve algebra and make geometrical equations using locus and straight lines. 14. Help students in understanding the concept of symmetric and asymmetric curve. 	
Pedagogy:	
<ol style="list-style-type: none"> 1. Emphasizing conceptual understanding. 2. Encouraging inquiry-based learning. 3. Utilizing technology effectively. 4. Promoting problem solving skill. 5. Provide timely feedback to students and parents for improvement. 6. Foster Active learning in practical lecture through discussions, problem solving activities and group work. 7. Use of chalk and board method. 8. Give various situations to students and ask them to use the concepts learned in such situations. 	

Link to Textbook:

Paper I – <https://books.ebalbharati.in/pdfs/1103030418.pdf>

Paper II - <http://books.ebalbharati.in/pdfs/1103030419.pdf>