

NOTICE

FOR FYBCOM

This is to inform you that the BCOM department is organizing a “**Four Day Bridge Course**” on “**Mathematics**” for students studying at F.Y.B.COM (Particularly students who choose secretarial practice in HSC or an equivalent exam).

Schedule for the bridge course

Day / Date	Time	Faculty	Topic Covered
Monday 22-08-2022	12:00pm To 1:00pm	Prof. Vinay	1) Use of calculator: addition of fractional number, square root of number, approximation of decimal number. 2) Introduction of factorial notation, examples, Fundamental principle of counting, examples
Tuesday 23-08-2022	12:00pm To 1:00pm	Prof. Nambiar	3) Basic knowledge of Graph paper : axes, scales, plotting line on graph paper, histogram 4) Mean, Median, Mode
Wednesday 24-08-2022	12:00pm To 1:00pm	Prof. Narayan	5) Simple interest, compound interest, introduction of shares
Thursday 25-08-2022	12:00pm To 1:00pm	Prof. Narayan	6) Probability: common examples (cards, dice, coin), sample space, event, addition theorem.

Venue: Block No. 710.

Students should bring:

1. Calculator.
2. Three graph papers.
3. Scale and pencil.
4. One 100 pages note book.
5. ID card.



(I/C Principal)



(Co-ordinator)

Bridge Course

Subject : Mathematics

YEAR : 2022-2023

Preamble:

Mathematical thinking is important for all members of a modern society as a habit of mind for its use in the workplace, business and finance and for personal decision making. Mathematics is fundamental to national prosperity in providing tools for understanding Science, Engineering, Technology and Economics. It is essential in public decision making and for participation in the knowledge economy. Mathematics is a creative discipline.

Objectives:

1. To introduce the basic concepts of Mathematics and Statistics.
2. To increase the learners appreciation of the basic role played by Mathematics in modern technology.
3. To prepare learners to face challenges of privatization and globalization by providing basic knowledge and skill of Mathematics and Statistics.
4. To bridge the gap between commerce and higher Mathematics.

Learning Outcomes:

This course will help students to learn about the basic concept relating Mathematics and Statistics , Calculus, Measures of central tendencies, Dispersion, sources of data, classification of data, Probability, etc. It will further help to apply the statistical tools and techniques for decision making and for research studies.

SYLLABUS

Topic 1	Use of calculator: addition of fractional number, square root of number, approximation of decimal number.	(20 mins)
Topic 2	Simple interest, compound interest, introduction of shares	(30 mins)
Topic 3	Introduction of factorial notation, examples, Fundamental principle of counting, examples	(30 mins)
Topic 4	Basic knowledge of Graph paper : axes, scales, plotting line on graph paper, histogram	(40 mins)
Topic 5	Mean, Median, Mode,	(20 mins)
Topic 6	Probability: common examples (cards, dice, coin) , sample space, event, addition theorem.	(60 mins)
		(200 mins)