



Shahid Matangini Hazra Govt. General Degree College for
Women, Government of West Bengal, Affiliated to Vidyasagar
University

DEPARTMENT OF MATHEMATICS
PROGRAM OUTCOME (PO)
CBCS BACHELOR OF SCIENCE

PO	Description
PO1	To prepare the students for a successful career in teaching or other professions as well as to motivate them for higher education and to take research as a career.
PO2	To provide strong foundation in basic sciences and mathematics.
PO3	To identify, formulate and analyze complex scientific problems reaching substantiated conclusions.
PO4	To develop individual and team work by functioning effectively as an individual or as a member in a group in computer laboratory classes.
PO5	To develop computational , logical and analyzing ability in solving different problems of Mathematics.
PO6	To develop communicating ability, prepare effective presentations, and give and receive clear instructions.
PO7	To develop the ability to engage in independent and life-long learning in the current context of technological change.
PO8	To inculcate scientific temperament in the young minds and outside the scientific community.

**DEPARTMENT OF MATHEMATICS
PROGRAM SPECIFIC OUTCOME(PSO)
CBCS BACHELOR OF SCIENCE**

Program Specific Outcomes Nos	Program Specific Outcomes (PSO)
PSO1	To apply knowledge in emerging and varied areas of Mathematics for higher studies, research and industries related to software applications.
PSO2	To develop leadership and managerial skills and understanding the need for lifelong learning to be a competent professional.
PSO3	To equip with front level communication technologies (ICT) for innovating ideas and solutions to existing/novel challenges.
PSO4	To be acquainted with good laboratory practices.

COURSE OUTCOME (CO)
BACHELOR OF SCIENCE - MATHEMATICS HONOURS
(CBCS SYLLABUS)

COURSE CODE and NAME	COURSE OUTCOME NAME	COURSE OUTCOME
SEM -I (Paper MJ-1T and MI-1T) Calculus, Geometry & Differential Equation	CO1	This course deals with the applications of derivatives, integration and analytical geometry. It also helps to improve the skill of sketching curves.
SEM-I(Paper SEC-1 and SEC-1P)Matlab-1	CO2	This course deals with the fundamentals of computer programming. It helps us to develop algorithms and is used to create engineering graphics.
SEM -I I(MJ-2 T and MI-2T) Algebra	CO3	This course deals with the basic knowledge of complex numbers, inequalities, theory of equation and set theory. It also helps to improve the knowledge of matrices and linear transformation.
SEM-II(Paper-SEC-2 and SEC-2P)Matlab-2	CO4	This course deals with the advanced knowledge of computer programming. It can be used to build graphical user interfaces(GUIs).It is written in a mathematical scripting code that is similar to C++.

COURSE OUTCOME (CO)
BACHELOR OF SCIENCE - MATHEMATICS (GENERAL)
(CBCS SYLLABUS)

PAPER NAME	COURSE OUTCOME NAME	COURSE OUTCOME
SEM1 (MJ-A1/BI1) Differential Calculus	CO5	This course deals with the applications of derivatives, integration and analytical geometry. It also helps to improve the skill of sketching curves.

