

DEPARTMENT OF MATHEMATICS

R.C.S. COLLEGE, MANJHAUL

(A CONSTITUENT UNIT OF L.N. MITHILA UNIVERSITY, DARBHANGA)

BEGUSARAI (BIHAR) PIN - 851 127

Email ID : principalrcscollege@gmail.com | www.rcscollege.ac.in

Ph. : +91 8544513326



Ref. No.

ASSIGNMENT

Date

Session → 2025 - 2029

semester 1st (MIC/MDC-01)

Answer any two questions

(1) State and prove De-Moivre's theorem for any index

(2) Define equivalence relation with exam ple

(3) prove that $(A \cap B) = B \cap A$

(*) Assignment must be handwritten in the A4 blank sheet only

(*) First page of the assignment must contain the detail of the student and nothing else.

Done
17/12/25