

Department of Mathematics

♥ Birpara, Alipurduar, West Bengal, PIN-735204



Ref. No: **BC/N/494**

Dept. Ref. No: **BC/MATH/25/002**

Date: 08/May/2025

General Notice

This is to inform all students of B.Com. 2nd semester that the Internal Assessment for the subject "Business Mathematics "will be conducted through both Assignment Submission and Viva Voce.

Assignment Submission & Viva Date: [14/05/2025]

Viva Time: 12:00 PM | Venue: Science Department.

Assignment Questions:

- 1. If the $xth^{x^{th}}$ term of an A.P. is y & $yth^{y^{th}}$ term is x; find $(x+y)th^{(x+y)^{th}}$ term of that series.
- 2. Insert 5 Geometric Mean between 3 & 192.
- 3. There are 5-degree colleges in a district. In how many ways can a person send his 3 sons to colleges so that no two of them may read in the same college?
- 4. If $nC10^{n_{C_{10}}} = nC3^{n_{C_3}}$ find the value of $nC2^{n_{C_2}}$
- 5. If $a^2 + b^2 = 7ab$, show that $2 \log(a-b) = \log 5 + \log a + \log b$
- 6. Find the difference between Simple interest & Compound interest of Rs. 3000 for 4 years at 9% p.a.

HOD
Department of Mathematics

Dr. Kaustav Chakrabarti Principal Birpara College

BC/N/494 Page: 1 of 1