

05/11/22

SARAT CENTENARY COLLEGE
DHANIAKHALI, HOOGHLY, WB, PIN - 712302
DEPARTMENT OF MATHEMATICS

Date: 05.11.2022

Notice for Internal Assessment under CBCS Curriculum
(3rd / 5th Semester Mathematics Hons./Gen. students)

This is to inform 3rd and 5th Semester Mathematics Hons. & General Students of this college, that the Internal Assessment under CBCS curriculum shall be held through submission of assignment mentioned in the next page of this notice.

Students must submit their own hand written assignment (Hard Copy) to Mathematics Department by 12.11.2022 (3:00 PM) mentioning their Full Name, College Roll No., University Roll Number, Registration Number, Paper Name and the provided topic.

Submission of assignment in due time is mandatory for all concerned students.

Ujjal Kr Mukherjee

(Dr. Ujjal Kr. Mukherjee)
HOD & Associate Professor in Mathematics
Sarat Centenary College

HEAD
DEPT. OF MATHEMATICS
SARAT CENTENARY COLLEGE
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J. K. Basak

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Principal & Secretary
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Internal Evaluation Odd Semester- 2022-23
Paper wise Assignment Topic

Semester/Course	Paper	Assignment Topic
3 rd Sem Math Hons	CC-05	Role of Darboux's theorem on derivatives of real valued single variable functions and its some useful applications
	CC-06	Cyclic groups, relevant theorems and examples
	CC-07	Application of Numerical Differentiation and Integration in our everyday life
	SEC-1 (Logic and Sets)	A comparative study on equivalence relation and partially ordered relation
3 rd Sem Math Genl.	CC-1C (for Math Genl./GE)	Cauchy Sequences and convergence with examples OR Countable and uncountable sets
	SEC-1 (Integral Calculus)	Obtain Reduction formulae for $\int \cot^n x dx$ and $\int \sec^n x dx$ and hence deduce a formula for $\int_{\frac{\pi}{2}}^{\pi} \cot^n x dx$, n being a positive integer greater than 1
5 th Sem Math Hons	CC-11	A note on the classification of second order linear partial differential equation with example each and find out the solution onn of your example
	CC-12	Central Forces and Orbital Mechanics: Kepler's Laws
	DSE-1 (LPP)	Extreme points of a convex set and relevant theorems for LPP
	DSE-2 (prob. & stat.)	Marginal Probability Distribution Function and Conditional Probability Distribution Function of two dimensional random variables.
5 th Sem Math Genl.	DSE1A1 (Matrices)	Linear dependence and linear independence of vectors, relevant theorems and examples

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