SARAT CENTENARY COLLEGE
Department of Mathematics

Date:05/09/2020

Submission of assignments for Internal Assessment (6th Semester:2019-20)

1. For B.Sc Mathematics Honours Course

Paper	Assignments (5 Marks for each assignment)	To be submitted to the Email ID
CC-13	1. Give definition of analytic function with an example of it. What do you mean by Cauchy Riemann equations ? 2. Define complete metric space and supply an example of it. State Cantor's Intersection Theorem relating complete metric spaces.	ujjalmukherjee65@gmail.com
CC-14	1. Principal Ideal Domain and it's properties 2. Diagonalisability of matrices	bidyuts@sccollegednk.ac.in
DSE-3	Let G be a group of order 108. Show that there exist a normal subgroup of order 27 or 9. 2. Let G be a group . Then prove that Inn(G) is a normal subgroup of Aut(G).	shampadutta03@gmail.com
DSE-4	1. Limitations of Newtonian Mechanics 2. Description of constraints and their classifications	pramitrej@gmail.com

2. For B.Sc General Course (Pure Science)

Paper	Assignment Description	To be submitted to the Email ID
DSE (Numerical Methods)	1.Newton-Raphson method for finding root of f(x) = 0 and it's advantage and disadvantage 2. Lagrange Interpolation and it's advantage and disadvantage	shampadutta03@gmail.com

The assignment written on A4 size paper must carry the following details of the student:

1. Name of the Student

2. University Roll number:

3. University Registration number:

4. Paper Name:

5. Student's Mobile Number:

(Example: **Name**- Rita Saha, **Univ. Roll No**.- 170241200004, **Registration No.**- 201701050430 Of 2017-18, **Paper**- DSE-II, **Mobile No**.- 9830098300)

 Last date of submission: 12 September 2020.

Send the scan copy of the hand written assignment to the respective email id as mentioned above.

If due to technological limitation or for any other valid reason any student faces problem in sending the assignment he/she must communicate the matter by 12 September, 2020 for alternative arrangement to the mobile number 9474952835   / 8910645284.

Sd/ Dr U. K. Mukherjee

HOD of Mathematics

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