



# CENTRAL UNIVERSITY OF JAMMU

## Department of Mathematics

DST-FIST Sponsored Department

Rahya-Suchani (Bagla), District Samba-181143, Jammu (J&K)

### Assignment Project M.A/M.Sc Mathematics

Session -2019-2021

| S.No | Roll no | Name of the student     | Title of the Project                     | Name of Supervisor |
|------|---------|-------------------------|--|--------------------|
| 1.   | 0100319 | Abrar Ahmed             | Zom's Lemma and Applications             | Dr. Ajay K. Sharma |
| 2.   | 0700319 | Bikram Jena             | Counter example in Topology              |                    |
| 3.   | 1000319 | Doshali Purohit         | Open Mapping Theorem and Application     |                    |
| 4.   | 1100319 | Gharo Devi              | Curves and Surfaces                      |                    |
| 5.   | 1400319 | Mansoor Ahmed<br>Shiekh | Mobious Transformation                   |                    |
| 6.   | 1500319 | Milan Parihar           | Fermat's Theorem and Application         |                    |
| 7.   | 2100349 | Nitasha Kumari          | Connected Spaces                         |                    |
| 8.   | 2600319 | Priyanka Sharma         | Compact spaces                           |                    |
| 9.   | 4500319 | Yogeesh Kumar           | Banach Algebra                           |                    |
| 10.  | 0200319 | Ahmad Ali               | On Mobius Inversion and its applications | Dr. Pavinder Singh |
| 11.  | 0400319 | Anil Verma              | On Linear System of Equations            |                    |
| 12.  | 0500319 | Arshad Ali              | Rieman- Stirlties Integral               |                    |
| 13.  | 2200319 | PalviRaj Sharma         | Hilbert's Null Stellensatz               |                    |
| 14.  | 3100319 | Sahil Sharma            | Theory of Congurences                    |                    |
| 15.  | 3200319 | Sahil Sharma            | Structure of Finite Abelian Groups       |                    |
| 16.  | 3900319 | Sunny Kumar             | Factorizations                           |                    |
| 17.  | 4200319 | Tousiq UR Rehman        | Galois Theory                            |                    |
| 18.  | 4300319 | Vipin Singh             | Diagonalization of Linear Operator       |                    |
| 19.  | 1400319 | Manisha Choudhary       | Symmetric and Asymmetric<br>cryptography |                    |
| 20.  | 1600319 | Mohd Nishad             | Primality Testing                        |                    |

*AD Ramee*  
Head  
Department of Mathematics  
Central University of Jammu

|     |         |                     |   |                          |
|-----|---------|---------------------|---|--------------------------|
|     | 1700319 | Mokshi Choudhary    | Diffie Hellman Key Exchange Algorithm   | <b>Dr. Deep Singh</b>    |
| 22. | 2500319 | Priya Kumari        | RSA Public Key  |                          |
| 23. | 3400319 | Shabana Azmi        | Introduction to Coding Theory   |                          |
| 24. | 3800319 | Sumit Sharma        | Elgamal Public Key Cryptography   |                          |
| 25. | 4000319 | Surinder Singh      | Some Basics of Bumber Theory  |                          |
| 26. | 4100319 | Surita Bassan       | Simple Substitution and Difference between Symmetric and Asymmetric Cryptosystems |                          |
| 27. | 4400319 | Vishal Sharma       | Some Result in Number Theory  |                          |
| 28. | 0800319 | Deepali Verma       | Linear Programming problems   | <b>Dr. Kamlesh Kumar</b> |
| 29. | 1200319 | Kajal               | Queueing Theory   |                          |
| 30. | 1900319 | Neeraj Verma        | Transportation Problems   |                          |
| 31. | 2300319 | Partap Singh        | Basic Set Theory  |                          |
| 32. | 2400319 | Priya               | Sequence and Series of Functions  |                          |
| 33. | 2700319 | Radhika Rani        | Transporation Problems  |                          |
| 34. | 2900319 | Roojah              | Queueing Models   |                          |
| 35. | 3600319 | Shivani Verma       | Linear Programming Problems   | <b>Dr. Sanjay Kumar</b>  |
| 36. | 3700319 | Simran Sharma       | Stochastic Processes  |                          |
| 37. | 0300319 | Alika Bhatti        | Bounded Linear Functionals  |                          |
| 38. | 0600319 | Ashu Devi           | Functionals and Operators on Hilbert Spaces                                       |                          |
| 39. | 0900319 | Dolly Priya         | Conformal Mappings  |                          |
| 40. | 1800319 | Monika Verma        | Entire Functions  |                          |
| 41. | 2000319 | Neha Sharma         | Residue Theory and Calculus of Residues   |                          |
| 42. | 2800319 | Rajeev Kumar sharma | Power series sets and Spectoral functions   |                          |
| 43. | 3000319 | Ruchika Verma       | Laplace's Transform   |                          |
| 44. | 3300319 | Samriti Sharma      | Univalent Functions   |                          |
| 45. | 3500319 | Shruti Jamwal       | Second order linear eps   |                          |

*AJ Sharma*

**Dr. Ajay K. Sharma**  
Head, Department of Mathematics

Head  
Department of Mathematics  
Central University of Jammu