

UNIVERSITY OF SARGODHA
DEPARTMENT OF MATHEMATICS

Class: MPhil-II (Mathematics)
Course Code: MATH-925
Submission Date: May 11, 2020

Course Title: Numerical Spline Techniques-II
Mid Term Examination (ZOOM)
Maximum Marks: 30

NOTE:

The students of this class is divided into (Two (boys)+four (Girls)) groups. Each group is assigned a topic. Submit the term paper (on any format e. g: pdf, or MS-Word) on email address (drmabbas.zoomclass@gmail.com) till May 11, 2020. Group will also present their topics in Zoom class after submitting the term paper. Every student will write/prepare his term paper separately. Copy-paste from any source (e.g., internet, book etc) is prohibited, use your own words and also avoid cheating (similar writing) from each other. In case of violation, strict action will be taken.

Group 01 (G)			
	Name	Student ID	Assigned Topics
1	Hafiza Aaima Zeenat Tariq	PMAF19M014	New cubic B-spline approximation for solving third order Emden-Flower type equations.
2	Sadia Noureen	PMAF19M002	New Quartic B-spline Approximations for Numerical Solution of Fourth Order Singular Boundary Value Problems
3	Maryam Bashir	PMAF19M003	
4	Shamakh	PMAF19M015	
5	Bushra Shakoor	PMAF19M036	
6	Salma Naseer	PMAF19M040	
Group 02 (G)			
	Name	Student ID	Assigned Topics
1	Atika Imran	PMAF19M004	Quartic B-spline numerical solution for solving singular boundary value problem arising in boundary layer theory.
2	Sana Khan	PMAF19M028	Extended cubic B-spline collocation method for solving singular boundary value problem arising in boundary layer theory.
3	Sadia Mumtaz	PMAF19M033	New cubic B-spline approximation for solving third order Emden-Flower type equations.
4	Qamar Un Nisa Arif	PMAF19M009	New Quartic B-spline Approximation for solving a system of second-order boundary value problems
5	Qurrat Ul Ain	PMAF19M012	New Quartic B-spline Approximation for numerical solution of Third Order Singular Boundary value Problems.
6	Aqsa Kamal	PMAF19M032	New cubic B-Spline Approximation for solving a system of second-order boundary value problems

Group 03 (G)			
	Name	Student ID	Assigned Topics
1	Iqra Arshad	PMAF19M008	New cubic B-spline approximation for solving third order Emden-Flower type equations.
2	Samya Begum	PMAF19M030	Quartic B-spline collocation method for solving singularly perturbed boundary value problem arising in biology.
3	Asima Iqbal	PMAF19M011	Septic B-spline method for solving nonlinear singular boundary value problems arising in physiological models
4	Nazia Riaz	PMAF19M022	
5	Najma Alam	PMAF19M024	
6	Rabia Parveen	PMAF19M034	
Group 04 (G)			
	Name	Student ID	Assigned Topics
1	Shumaila Nazir	PMAF19M006	Numerical solution of a singular boundary value problem arising in boundary layer theory using exponential collocation method.
2	Iram Samreen	PMAF19M017	Extended cubic B-spline functions for solving singularly perturbed boundary value problem arising in biology.
3	Maria Zia	PMAF19M025	Numerical solution of singular boundary value problem arising in boundary layer theory via cubic B-spline basis function.
4	Mahnoor Arif	PMAF19M023	Spline solution of non-linear singular boundary value problems
5	Mehvish Rani	PMAF19M038	

Material is available at:

1. <https://lms.su.edu.pk/lesson/586/week-08-b-spline-for-solving-class-of-singular-and-non-singular-problems>
2. <https://lms.su.edu.pk/lesson/586/week-18-final-term-exam>
3. <https://lms.su.edu.pk/lesson/586/week-09-mid-term-exam>