LIST OF Ph.D. STUDENTS PRODUCED BY THE MATHEMATICS DEPARTMENT,

H.B.T.I., KANPUR (TILL NOW)

S.No.	Title	Year	Candidate's Name	Guide
1.	Analytical study of momentum andheat transfer problems in non-newtonian fluids	1971	M. D. Rai Singhania	Prof. P. N.Tandon
2.	Analytical study of simultaneous transfer process in non-newtonian fluids	1973	Om Prakash Singh	Prof. P. N. Tandon
3.	Analytical study of transfer processin non-newtonian fluids	1973	A. K. Chaturvedi	Prof. P. N. Tandon
4.	Certain dual, triple and quadruple integral equations and series	1973	T. N. Trivedi	Prof. A. P.Dwivedi
5.	Analytical study of some problems inhemo-dynamics	1975	V. K. Kapoor	Prof. P. N. Tandon
6.	Momentum and heat transfer problems in non-newtonian fluids	1975	S. C. Pokhariyal	Prof. P. N. Tandon
7.	Analytical studies of somelubrication problems	1976	K. Verma	Prof. V. K. Kapoor
8.	Some integral and series equationsand their applications in the mathematical theory of elasticity	1978	J. P. Sharma	Prof. A. P.Dwivedi
9.	Mathematical models of some problems in cardiovascular systems	1980	Kusum Agarwal	Prof. P. N. Tandon
10.	A study of film lubricated bearing	1980	R. S. Gupta	Prof. V. K. Kapoor
11.	Applications of lubrication theory tohuman joints	1980	Sunil Jaggi	Prof. P. N. Tandon

12.	A biomechanical study of normal and artificial Joints.	1980	Lila C. Joseph	Prof. P. N. Tandon
13.	Analytical study of some problems in two phase flow	1981	V.K. Katiyar	Prof. P. N. Tandon
14.	Mathematical studies of some lubrication problems	1981	J. S. Yadav	Prof. V. K. Kapoor
15.	Certain integral equations of mixed boundary value problems arising in mathematical physics	1982	V. B. Singh	Prof. A. P. Dwivedi
16.	Study of integral equations and problems of elasticity	1982	S. P. Kushwaha	Prof. A. P. Dwivedi
17.	Mathematical models in cardiovascular dynamics	1982	T.S. Pal	Prof. A. P.Dwivedi
18.	Analytical study of some problems physiological flows	1983	J. Prakash	Prof. P. N. Tandon
19.	Studies on drag reduction phenomenon	1983	A. K. Kulshreshtha	Prof. P. N. Tandon
20.	Some contributions to biological fluid transport processes	1983	Manju Agarwal	Prof. V. K. Kapoor
21.	A study of rheological behaviour of physiological fluids	1983	J. K. Mishra	Prof. P. N. Tandon
22.	Study of fourier series equations and integral and their applications in elasticity	1984	P. Gupta	Prof. A. P.Dwivedi
23.	Some mixed boundary value problems of elastic strip containing Griffith cracks	1984	R. D. Awasthi	Prof. A. P. Dwivedi
24.	Certain integral and sequence equations involving special functions.	1985	R. G. Gupta	Prof. A. P. Dwivedi
25.	A study of integral equations and their applications	1986	B. D. Shukla	Prof. A. P. Dwivedi

26.	Some crack problems opened by forces at crack faces in a rectangular domain	1986	D. N. Gupta	Prof. A. P. Dwivedi
27.	A study of thermal behaviour of physiological systems	1986	N. K. Gupta	Prof. P. N. Tandon
28.	Study of some integral equations and crack problems of elasticity	1987	S. C. Shukla	Prof. A. P. Dwivedi
29.	Mathematical models of the functional state of the physiological transport processes	1988	P. Nirmala	Prof. P. N. Tandon
30.	Analytical study of flow and diffusion in modeled physiological systems	1988	Rekha Agarwal	Prof. P. N. Tandon
31.	Analytical study of diffusion processes in eye and brain	1989	Manju Purwar	Prof. P. N. Tandon
32.	Some aspects of bone in growth by electrical stinuiation	1989	T. D. Gupta	Prof. P. N. Tandon
33.	Fluid dynamics of eye and cerebrospinal fluid	1990	Ram Autar	Prof. P. N. Tandon
34.	Some mixed boundary value problems over multiply connected domains	1992	Puspendrea Tripathi	Prof. A. P. Dwivedi
35.	A study of the physiological lubrication diffusion phenomenon in synovial joints	1992	Amita Chaurasia	Prof. P. N. Tandon
36.	A study of some recent aspects and microcirculation	1992	Boswal T.	Prof. P. N. Tandon
37.	Models of capillary tissue exchange systems	1992	Mamta Mishra	Prof. P. N. Tandon
38.	A study of certain non-newtonian fluids in reference to physiological	1993	Kiran Kushwaha	Prof. P. N. Tandon
39.	Study of some integral and series	1993	Sarita Pandey	Prof. A. P. Dwivedi

	equations and their applications			
40.	Some mathematical models on selestive predation : the effect of age structure on stability	1993	R. K. Pandey	Dr. M. Saleem
41.	Mathematical analysis of diffusion in microcirculation	1994	S. U. Siddiqui	Prof. A. P. Dwivedi
42.	A study of recent aspects of microcirculation	1992	T. Boswal	Prof. P. N. Tandon
43.	A Numerical study of flow and diffusion through arteries (normal and pathological)	1994	U. V. S. Rana	Prof. P. N. Tandon
44.	Oscillation is predator Prey systems with selection predation	1994	R. K. Pandey	Dr. M. Saleem
45.	Certain integral equations and series and mixed boundary value problems of elasticity	1996	Rolli Singh	Prof. A. P. Dwivedi
46.	Study of generalized integral equations and series equations and their applications	1998	Jyotsana Chandel	Prof. A. P. Dwivedi
47.	Study of generalized of integral equation and series equations and their applications	1998	R. P. vastava	Prof. A. P. Dwivedi
48.	Some problems on heat and mass transfer in Synovial Joints	1999	Ajay kumar Shukla	Dr. Rekha Bali
49.	Study of generalized series equations and applications	2001	Tarunnaum Siddiqui	Prof. A. P. Dwivedi
50.	Certain integral and related equations and mixed boundary value problem.	2003	Poonam Bajpai	Prof. A. P. Dwivedi
51.	The transmission dynamics of AIDS epidemic : Some nonlinear mathematical models	2004	Sandeep Omar	Dr. Ram Naresh
52.	Mathematical modelling of transport phenomenon with reference to	2008	Ms. Sapna	Dr. S. U. Siddiqui

	biomechanics.			
53.	Removal of air pollutants from the atmosphere by precipitation: Mathematical models and their analyses.	2008	Shyam Sunder	Dr. Ram Naresh
54.	Mathematical modeling of the transmission of AIDS epidemic: Nonlinear models and their analyses.	2009	Agraj Tripathi	Dr. Ram Naresh
55.	Mathematical modeling of heat and mass transfer phenomena in synovial joint.	2009	S. K. Sharma	Dr. Rekha Bali
56.	Modeling and analysis of aransport phenomena in eye.	2010	Deepti Tandon	Dr. Ram Autar
57.	Mathematical modeling of fluid flow in the Eye.	2011	Rashmi vastava	Dr. Ram Autar
58.	Mathematical modeling of the spread of Demographic infectious diseases and environmental effects.	2012	Surabhi Pandey	Dr. Ram Naresh
59.	Mathematical study of blood flow in diseased and normal blood vessels.	2012	Shailesh Mishra	Dr. S. U. Siddiqui
60.	Mathematical analysis of pulsatile blood flow in stenosed and catheterized blood vessels.	2012	Narendra Kumar Verma	Dr. S. U. Siddiqui
61.	Mathematical modeling of the spread of AIDS epidemic in a variable size population.	2013	Dileep Sharma	Dr. Ram Naresh
62.	Some flow and diffusion problems in microcirculation with application to physiological systems.	2013	Swati Mishra	Dr. Rekha Bali
63.	Mathematical study of flow and oxygen transport in blood vessels in the presence of magnetic field.	2016	Usha Awasthi	Dr. Rekha Bali

64.	Mathematical modeling of intraocular Flow Phenomena	2017	Swati Shrivastava	Dr. Ram Autar
65.	Study of non-newtonian fluids and transport of nanoparticles in normal and stenotic blood vessels	2018	Nivedeta Gupta	Dr. Rekha Bali
66.	Mathematical modeling of transport phenomena in circulatory system	2018	Geeta	Dr. S. U. Siddiqui Dr. Sapna Ratan Shah
67.	Mathematical modeling in biomechanical aspect of circulatory system	2019	Anuradha Singh	Dr. S. U. Siddiqui Dr. Sapna Ratan Shah
68.	Mathematical modelling of blood flow problems in stenosed blood vessels	2021	Chhama Awasthi	Dr. S. U. Siddiqui
69.	Modeling the spread and control of infectious diseases in a variable size population,	Submitted	Sandhya Rani Verma,	Dr. Ram Naresh
70.	Mathematical modeling of heat transfer in biological tissues under laser irradiation	In Progress	Anuj Kumar	Dr. Ram Autar
71.	Mathematical modeling for nanoparticle delivery in the blood	In Progress	Bhawini Prasad	Dr. Rekha Bali
72.	Mathematical study for blood flow in small blood vessels	In Progress	Ragini Tripathi	Dr. Rekha Bali
73.	Mathematical modeling of atmospheric acid rain and its effects on biological systems	In Progress	Monika Trivedi	Dr. Ram Naresh
74.	Mathematical Modeling of Transport Phenomena in Biological/ Physiological Tissues	In Progress	Monika Gupta	Dr. Ram Autar